

Historic, archived document

Do not assume content reflects current scientific knowledge, policies, or practices.

6247
1924
LIBRARY
RECEIVED
JUN 18 1924
*
V. 100
1000

Dependable

Trees, Fruits, Shrubs, Vines and Plants



Hanska Plum

Moore's Early Grapes

Early Richmond Cherries

C. E. CRAVENS

Orchardist and Nurseryman

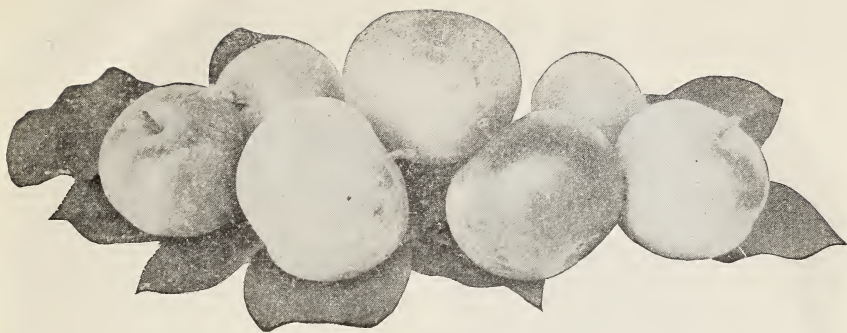
Gallatin, Missouri



Frau Karl Druschki (Snow Queen)



Syringa (Mock Orange)



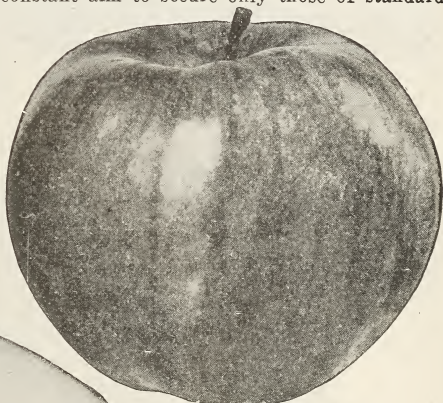
Apples

Taking into consideration its hardiness, productiveness and general commercial value, the apple stands at the head of the list of fruits. In selecting the most important varieties for cultivation, it has been our constant aim to secure only those of standard excellence, and in no instance to recommend a novelty without ascertaining its history from a reliable source.

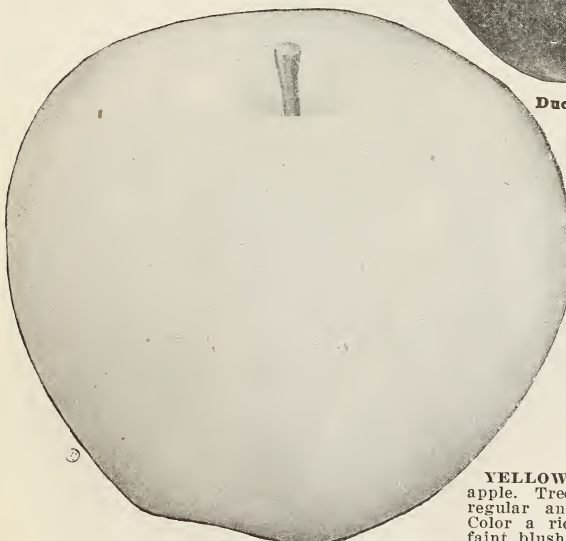
Summer Apples

DUCHESS OF OLDENBURG—A large beautiful apple, roundish. Streaked red and yellow. Tender, juicy and pleasant. Tree a vigorous, fine grower and abundant bearer. Very hardy. September.

EARLY HARVEST—Tree healthy, vigorous and a good bearer. Fruit medium size, nearly round, somewhat flattened; surface smooth, clear, waxy yellow, rarely blushed; flesh tender, juicy, acid to sub-acid, flavor good. July.



Duchess of Oldenburg



Early Harvest

GOLDEN SWEET—Large, pale yellow, very sweet and good; good bearer; free. August.

LIVELAND (Liveland Raspberry) — Color orange yellow, striped, splashed and shaded with red, showing gray dots through the color, flesh light yellow, often stained with red; fine, tender, juicy; core medium open; flavor sub-acid, good.

RED ASTRACHAN—Tree vigorous, upright, hardy and productive. Fruit medium to large; surface smooth, marbled and striped on greenish yellow; flavor acid.

RED JUNE—Medium, red; juicy, good flavor. Abundant bearer. Last of June.

YELLOW TRANSPARENT—A Russian apple. Tree is a hardy, upright grower; regular and early bearer, medium size. Color a rich, transparent yellow with a faint blush on sunny side; flesh melting, juicy, sub-acid.

**Wealthy**

CHENANGO (Strawberry)—Rather large, oblong, conical, angular; whitish-yellow, striped and splashed with light crimson; flesh white, very tender, with mild, pleasant sub-acid flavor. A market and eating variety. Tree vigorous and productive.

ARKANSAS BLACK—Vigorous, upright grower. Fruit medium to large; fine flavor, beautiful dark color, almost black; flesh yellowish, slightly sub-acid, crisp. One of the best for cooking. January to March.

Autumn Varieties

FAMEUSE (Snow Apple)—Medium size, roundish; crimson, sometimes striped in northern localities. Flesh snowy white; very tender, fine, juicy, mild, sub-acid; one of the finest dessert fruits. Hardy and prolific. Very popular. October and December.

MAIDEN BLUSH—Large, smooth, regular, evenly shaded red cheek or blush on a pale yellow ground; flesh white, tender, sprightly, with a pleasant sub-acid flavor; bears large crops; free. August to October.

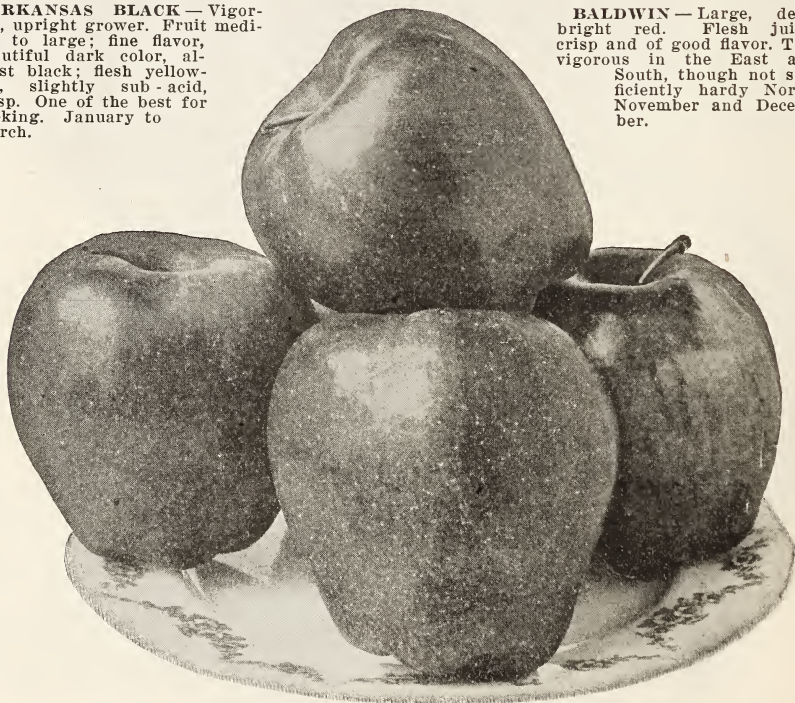
RAMBO—Medium; yellow, striped with red. Fruit mild, tender, good. September to November.

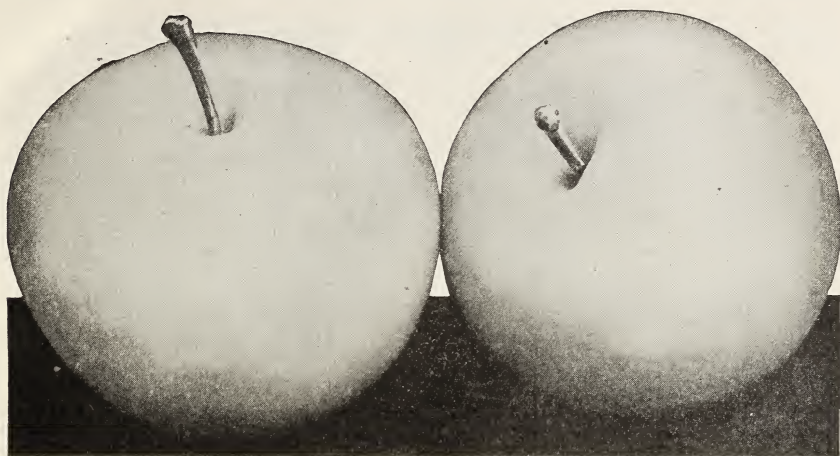
WOLF RIVER—Extra large handsome; deep red; excellent for cooking. Extremely hardy in the north. Probably the largest red apple adapted to this region. September to November.

WEALTHY—Origin, Minnesota. Large, round; red; very handsome; fine quality; good grower. Perfectly hardy and most reliable. Very popular throughout the north. Long keeper in cold storage. October to January.

Winter Varieties

BALDWIN—Large, deep, bright red. Flesh juicy, crisp and of good flavor. Tree vigorous in the East and South, though not sufficiently hardy North. November and December.

**Delicious**



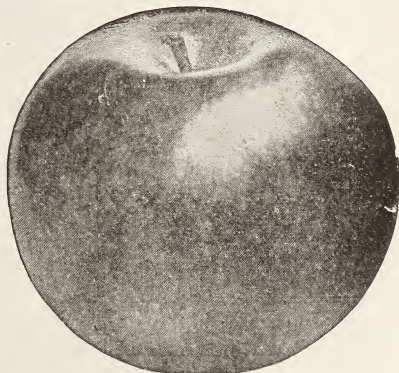
Grimes Golden

BEN DAVIS—Tree thrifty, upright grower of almost perfect shape. Fruit large, round, sometimes variable in form; surface smooth, often polished yellow, covered and splashed bright red; flesh white, tender, juicy; flavor sub-acid, not rich quality; only good for market and cooking. November to Spring.

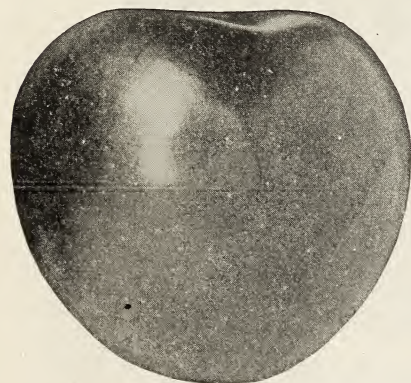
DELICIOUS—Flourishes well in every state of the Union. Bears annually; great yielder; hangs well on trees. Trees very thrifty, long lived and extremely hardy. Fruit very large, nearly covered with brilliant, dark red; flesh fine grained, crisp, juicy, melting and delicious; splendid keeper and shipper; should be in every orchard.

GANO—Fruit is bright red on yellow ground, with no stripes; large, oblong, surface smooth, polished; dots minute; basin shallow, sometimes deep; eye large, cavity deep; brown in color; stem medium to long; core medium. Tree healthy, vigorous and prolific bearer. January to April.

GRIMES GOLDEN—This is one of the most popular apples in cultivation. Tree strong, thrifty grower. Fruit medium or above, cylindrical; regular surface, yellow veined, russeted; flesh yellow, firm, very fine grained, juicy; flavor sub-acid; quality rich. For dessert, cooking and market. November and December.



Jonathan



Gano

JONATHAN—Tree of rather slender growth and spreading habit; fruit medium or above in size, round or oblong; surface very smooth, waxy yellow, often wholly covered with brilliant red; flesh whitish yellow, tender, very juicy; for dessert and cooking; quality best. October and November.

Winter Varieties—Continued



Northern Spy

MAMMOTH BLACK TWIG—Extra large size, round, skin smooth, yellowish, covered with deep red, the general effect being dark red; flesh tender, tinged with yellow, crisp, sub-acid, aromatic, of excellent quality in every way. Tree vigorous, healthy and bears when quite young; very prolific.

McINTOSH (McIntosh Red)—Medium large, polished, smooth, yellow, nearly covered with brilliant crimson; beautiful; flesh snow white, crisp, very tender, aromatic; sub-acid; very good quality. Resembles Fameuse type, but

is larger and more hardy. Tree vigorous, with spreading head; a good annual bearer; popular in northwest. November to February.

NORTHERN SPY—Large, roundish, slightly conical; striped with sunny side purplish-red; flesh white and tender, with mild, rich, spicy flavor. An old favorite and one of the best all-around apples grown. Tree is a strong, upright grower, head very compact and should be opened up by pruning to admit air and light. December-June.

NORTHWESTERN GREENING—Fruit medium to large, averaging from seven to eight ounces each and very uniform in size. Color greenish yellow, flesh juicy, firm and fine grained. Very fine quality and flavor. Tree is very hardy and a thrifty grower, an early and continuous bearer. One of the longest keepers known. January to spring.

PATTEN'S GREENING—Duchess seedling; very large; flavor pleasant, sprightly, sub-acid. Superior for cooking. December to February.

RAWL JANET—Tree good grower, not so large as some; fruit medium; somewhat conical, regular; surface smooth, mixed and striped on yellow and green; flesh yellowish, crisp, fine grained, juicy; flavor sub-acid; quality good to very good. For dessert, kitchen, market and cider. November to spring.



McIntosh



Winesap, Stayman's

RHODE ISLAND GREENING — Large, greenish yellow, tender, juicy and rich, with rather an acid flavor; growing strong and spreading, and an abundant bearer, but drops prematurely in the West, and should be gathered early if planted at all. November and December.

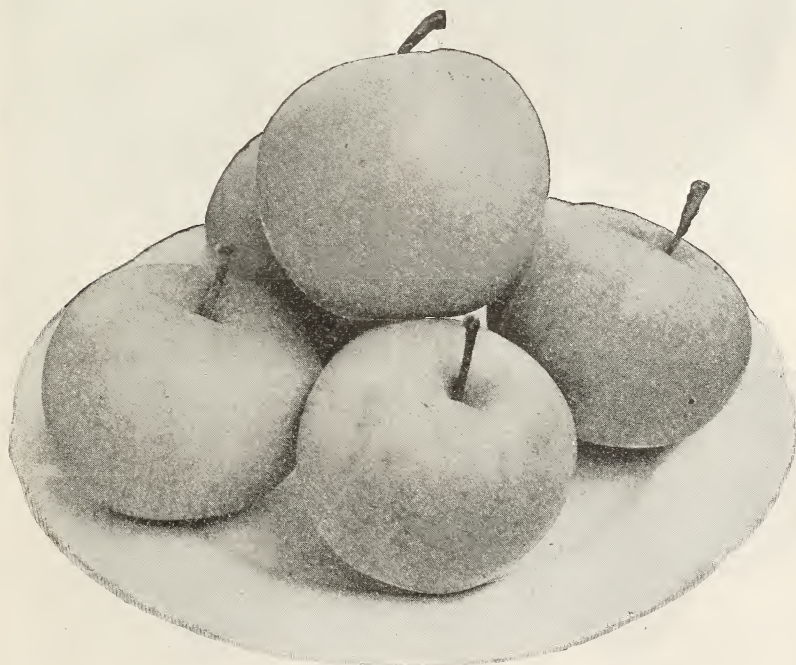
ROME BEAUTY (Gillett's Seedling)—Large, yellow, striped with red, flesh juicy, crisp, sub-acid, tree moderate grower. October to December.

TALMAN SWEET—Medium size, pale yellow, slightly tinged with red; firm, rich and sweet; excellent for preserving; tree vigorous, very hardy and productive. November to April.

WINESAP (Stayman's) — Large, roundish, deep red; medium quality; keeps well; tree a fair grower and good bearer. December to May.

WINTER BANANA—A highly prized and valuable market sort. Beautiful yellow fruit; flavor exquisite and very tempting; highest quality. Productive. Reliable growers represent it to be hardy North. Very popular for dessert.

YORK IMPERIAL—Tree moderate grower and productive, fruit large, lop-sided; surface smooth; color mixed bright red on yellow ground; flesh yellowish, tender, juicy, flavor mild sub-acid; quality very good; for market, table, kitchen. November till spring.



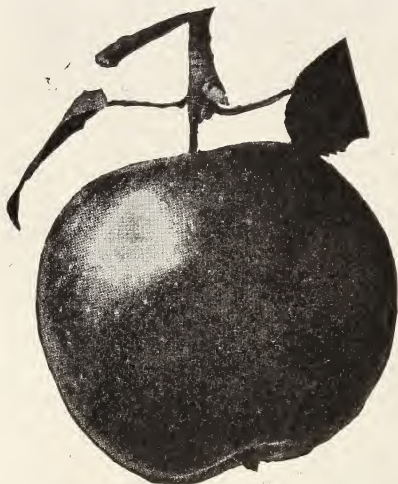
Winter Banana

Crab Apples

A few years ago the crab apple was thought fit only for cider, preserves and jelly, but there are varieties now that command a good price on the market for dessert purposes. They are ornamental when in bloom and when loaded with their highly colored fruit.

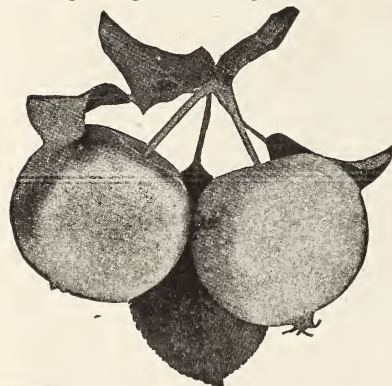
FLORENCE — Large, handsome; crimson, splashed with darker red; prolific, valuable. September.

HYSLOP—Tree a moderate grower, making a beautiful shaped, thrifty tree; bears young; fruit large, nearly round, flattened at the ends; skin smooth, color dark rich red on yellow ground; flavor very good.

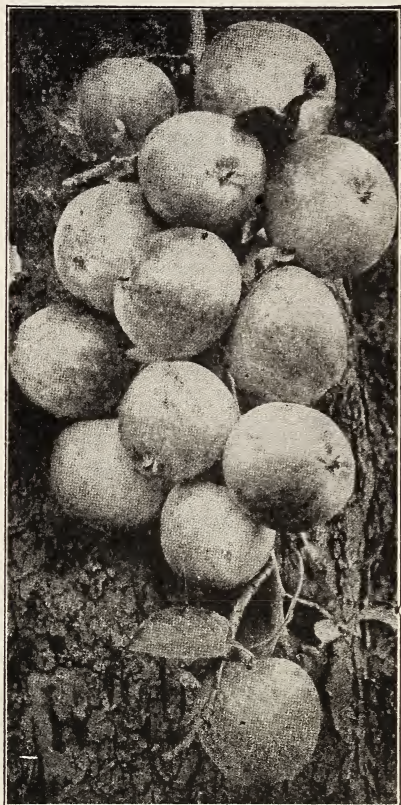


Hyslop

MARTHA—This is one of the best. The ground is bright yellow, nearly over-spread with light bright red. Of good size.



Whitney



Transcendent

RED SIBERIAN—Large, round, brilliant red on a pale yellow ground; flesh acid and greatly esteemed for preserves and jellies.

TRANSCENDENT—A very strong grower, making a large, beautiful tree; an early and abundant bearer, fruit large, round, skin smooth, color rich yellow, shaded with red. August and September.

WHITNEY—Tree thrifty, upright grower; fruit large, skin smooth, striped and splashed with carmine; flesh firm, juicy, of pleasant flavor. One of the very best. August.

YELLOW SIBERIAN—Small, round; yellow; flesh yellowish and acid; popular on market for jellies. Tree vigorous and hardy. September.

Pears

The soil should be rich and well cultivated. A pear orchard should not be permitted to "go to grass." They should be pruned every year, dwarfs especially. Dwarfs should have low heads and be trained in a pyramidal form, one-half of the previous season's growth being cut off each spring.

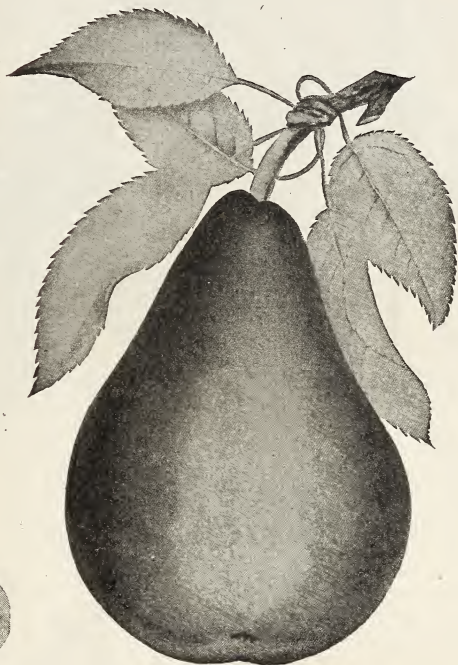
Pears succeed best on rather steep hillsides. Plant pears midway on the slope, putting something else on the upper and lower sections. Cultivate sparingly, so as to induce a very slow growth, and let blue grass take the land before the trees come into fruitage. When blight appears, cut off the affected parts at once and burn them; cut six inches below the lowest blight, to insure taking all infected sap.

Early Varieties

BARTLETT—Large size, with beautiful blush next to the sun; buttery, very juicy and high flavored; bears early. August and September.

CLAPP'S FAVORITE—Large obovate; skin thin, pale yellow marked with pale crimson and lawn colored dots; flesh white, fine grained, juicy, buttery, rich, melting and sweet. Very vigorous, upright grower. August and early September.

WILDER EARLY—One of the very earliest pears. Size medium, greenish yellow, with a brownish red cheek and numerous dots; flesh white, fine grained, melting, excellent. Always find a ready sale in market. Largely grown by commercial orchardists. Tree bears good crops early and annually. December and September.



Bartlett



Beurre D'Anjou

Autumn Varieties

BEURRE D'ANJOU—Large, obtuse pyramidal form; dull, yellowish green, sometimes with a dull, reddish cheek; flesh whitish, juicy, melting, with a brisk perfumed flavor. Vigorous and hardy. October.

DUCHESS D'ANGOULEME—Very large, oblong, obovate, dull greenish yellow, flesh white, very juicy, buttery, with a rich, excellent flavor. Tree a strong grower. October.

Autumn Varieties—Continued

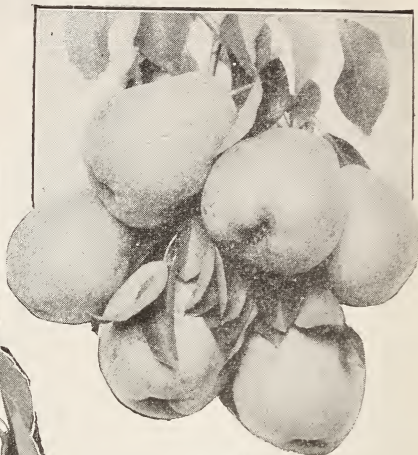
FLEMISH BEAUTY—Large, beautiful, juicy, melting, rich and fine; good bearer; one of the hardiest and does well nearly everywhere. September and October.



Kieffer

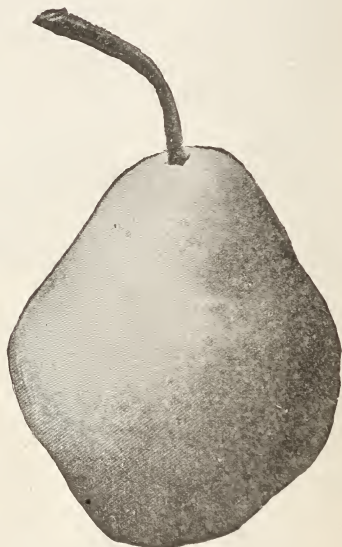
KIEFFER—Large; golden yellow, often blushed in the sun; juicy and melting. One of the best for canning and preserving; the most profitable to grow. Tree healthy, hardy and vigorous. Does not succeed on quince, therefore no dwarfs should be planted. Kieffer receives more praise and condemnation than any other. It is liable to overbear, therefore special pains should be taken to thin the fruit.

SECKEL—Small, skin rich, yellowish brown; flesh very fine grained; sweet, juicy and pleasant. Best for its size. September and October.



Duchess

GARBER—Very large, oval, narrowing at both ends; yellow as an orange; flesh whitish, juicy, sweet and very pleasant. Tree an upright grower with heavy, dark green foliage. September.



Seckel

Plums

The plum delights in a cool, not too dry situation, and good rich soil. Plant trees 10 to 15 feet apart, in rows. The varieties we offer have been thoroughly tested, and are standbys. These may be relied upon to furnish crops of this profitable and delicious fruit.

European Varieties

BRADSHAW—Fruit large; dark violet red, flesh yellowish green; juicy and pleasant; productive. Vigorous. Middle of August.

DAMSON (Europe)—Small; black, with thick blue bloom; free; flesh juicy, but rather tart; best for kitchen and market. Tree enormously productive and hardy. September.

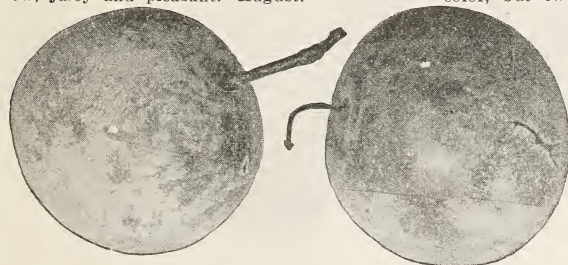
GERMAN PRUNE—Very large, long, oval; purple, with a thick blue bloom; flesh green, firm, sweet, pleasant and separates freely from the stone. Tree bears enormous crops, hanging late; vigorous. September.



German Prune

GREEN GAGE (France)—Medium; greenish-yellow; semi-cling; flesh juicy, rich and delicious; one of the best for dessert. Tree slow grower. September.

LOMBARD—Tree vigorous, hardy and productive; fruit of medium size, roundish oval, slightly flattened at the ends; skin of a delicate violet-red, paler in shade; flesh deep yellow, juicy and pleasant. August.



Forest Garden



Lombard

SHIPPER'S PRIDE—Size large; color dark purple; flesh firm and excellent. September.

SHROPSHIRE DAMSON—A plum of fine quality. The flesh is amber colored, juicy and sprightly. Very productive and a valuable market variety. Freestone. September.

YELLOW EGG—Very large; egg-shaped; excellent for cooking; good and productive; vigorous. Last of August. Splendid variety for nearby market.

Native Varieties

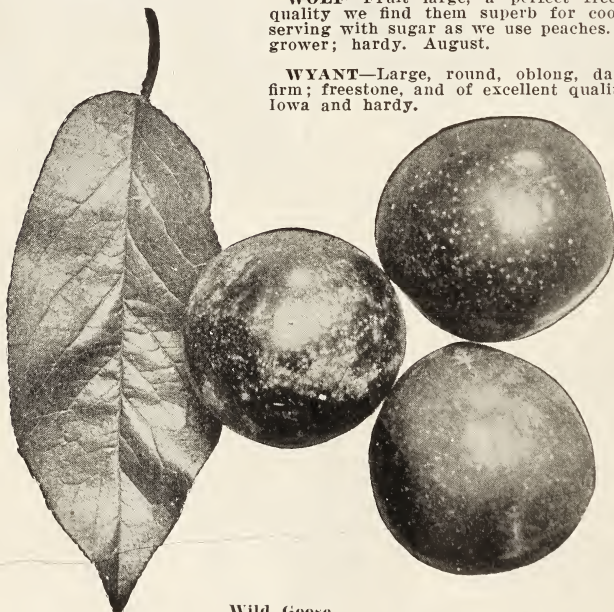
COMPASS CHERRY—Small, purplish red, with large pit, flesh yellow and very good for cooking. The original cross of Miner Plum and Sand Cherry.

DE SOTO—Resembles Miner in form and color, but two weeks earlier. Fine for eating or canning. Tree a moderate grower; bears young and profusely; hardy north. Is best planted on moist rich ground and the fruit thinned. Use this variety for fertilizing.

FOREST GARDEN—A strong growing tree; needs a little attention to keep tree in shape to avoid splitting and breaking of limbs. A profuse bearer and perfectly hardy; nearly round, mottled red and yellow, rich and sweet. August.



Hawkeye



Wild Goose

Native Varieties—Continued

HAMMER—Large, oblong, light red, of fine quality; profusely fruitful; season late; fine for canning or market.

HAWKEYE—One of the best. Large, color light mottled red, superior quality, firm; carries well to market. Tree hardy, thrifty; annual bearer. A splendid fertilizer. September.

POTTAWATTAMIE—Tree a good grower, hardy; color a yellowish red turning to bright red when fully ripe; skin thin, clear and tough. First fruit begins to ripen late in July; quality fairly good.

STODDARD—One of the largest of the native plums originated in Iowa. It is a light pinkish red color, very handsome, with a tough, sweet skin. Quality fair.

SURPRISE—Prune-shaped, dark red. Long keeper, therefore valuable for market. Ripe from September 1 to 10. Tree a thrifty, upright grower; hardy in the northwest and productive. A fine tree in orchard.

WEAVER—Large, purple with a blue bloom, very prolific; a constant and regular bearer and of good quality. Tree very hardy. August.

WILD GOOSE—The most popular fruit with some fruit growers. Tree a vigorous, upright grower; fruit medium to large, rich golden yellow, shaded with red; flesh yellow and juicy; flavor rich and good.

WOLF—Fruit large, a perfect freestone. As to quality we find them superb for cooking and for serving with sugar as we use peaches. Tree a good grower; hardy. August.

WYANT—Large, round, oblong, dark red; flesh firm; freestone, and of excellent quality. Native of Iowa and hardy.

Japan Varieties



Burbank

ABUNDANCE—Large, roundish; freestone; amber, turning to a rich cherry color with a whitish bloom; flesh light yellow, juicy, tender, sweet and excellent, vigorous and very productive. August.

BURBANK—Large, nearly globular; clear cherry red with thin lilac bloom; flesh deep yellow; rich, very sweet, with a peculiar and agreeable flavor. Vigorous and a very early bearer. Last of August.

RED JUNE—The best Japan plum, ripening before Abundance. Medium to large; deep vermillion-red, with handsome bloom; flesh light lemon-yellow, firm; moderately juicy; fine quality. Tree upright, spreading, vigorous and hardy; productive.

WICKSON—A remarkably handsome, very large, deep maroon red plum.

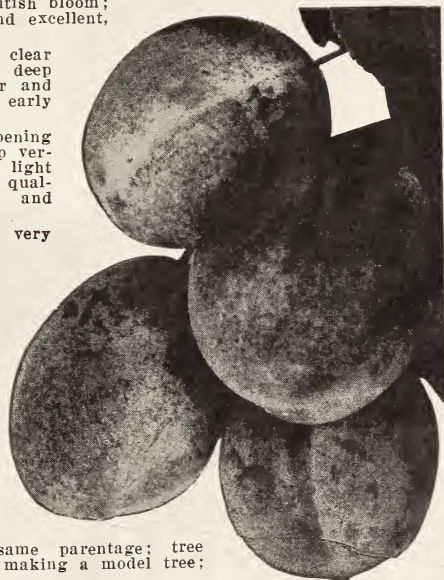
Hybrid Varieties

HANSKA—Beautiful color, bright red, with heavy bloom; flesh firm, yellow and of good quality; fragrant; apricot flavor; tree tall, rapid grower; pit small.

OPATA—Flesh firm, greenish with pleasant flavor. Pit small; season early; is strong grower and heavy bearer.

SAPA—Much like Oxheart cherry, dark flesh and juice. Fine quality. Five-foot trees at three years bear 1 to 1½ bushels and keep it up. Every home in the country should possess from one to a dozen of these wonderful trees.

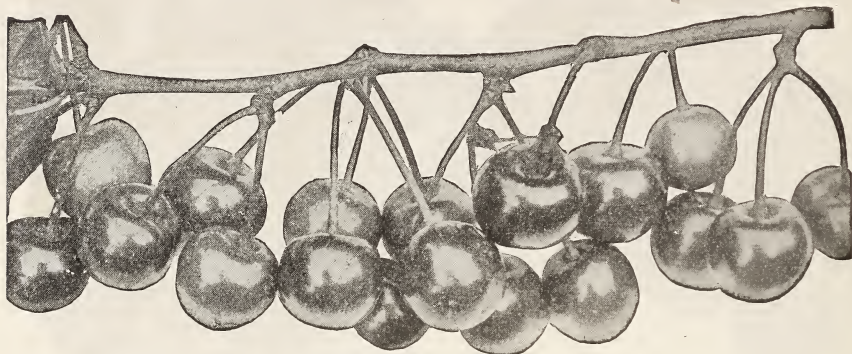
TOKA—Similar to the Hanska of same parentage; tree remarkably strong and vigorous grower, making a model tree; early and heavy bearer of handsome fruit.



Sapa

Cherries

Cherry culture has been a success when proper attention has been given to the selection of varieties and their culture. The hardy, thrifty varieties of the Morello type may be freely planted with confidence of profitable results. The cherry tree should be planted in a naturally dry soil or the soil should be well drained, so that water may not remain near the roots for any considerable time.



Large Montmorency

Duke and Morello (*Sour*)

DYEHOUSE—This variety partakes both of the Morello and Duke wood and fruit. A very early and sure bearer; ripens a week before Early Richmond, is of better quality and productive. Free. May and June.

EARLY RICHMOND—Everywhere the most popular. Tree strong, thrifty grower, making a large, symmetrical head; fruit medium size, dark red, melting, juicy; sprightly acid flavor and especially valuable for cooking purposes; tree an early and abundant bearer. Season last of May and first of June.

ENGLISH MORELLO—Tree moderate grower, hardy; an early and great bearer; the most valuable of the late varieties. Fruit large, round; skin dark red, becoming nearly black when fully ripe; flesh dark red, tender, juicy and of a pleasant sub-acid flavor when fully ripe. July.

LARGE MONTMORENCY—A fine, large, light red cherry of the Richmond class, but larger and more solid; a more upright grower, equally hardy and productive. Second only to Early Richmond in value. Ripens ten days later.

WRAGG—Originated in Iowa. Medium to large in size, long stem, dark purple when fully ripe. A variety well adapted for the prairie regions of the Northwest. Appears identical ^{with the tree} and fruit with English Morello, but is claimed to be a new variety. Valuable late cherry. July.

Heart and Bigarreau (*Sweet*)

BLACK TARTARIAN—Very large, bright, glossy black; half tender, juicy, rich and fine. Tree a rapid grower and good bearer. Last of June and first of July.



Early Richmond

GOVERNOR WOOD—Large; light yellow and bright red; nearly tender, juicy, sweet, rich and delicious. Tree vigorous and productive. Middle to last of June.

WINDSOR—The fruit is large, flesh remarkably firm, sweet and of fine quality. Tree hardy and prolific. Middle of June.

Peaches

Peach trees should be planted 16 to 18 feet apart. Cut weak shoots back about one-half and strong ones about one-third, but see that there is left a sufficient supply of fruit buds. Sickly and superfluous shoots should be cut out clean. The fruit is borne on wood of last season's growth, hence the necessity of keeping up a good supply of vigorous annual shoots all over the tree. Young trees should be well mulched every spring.

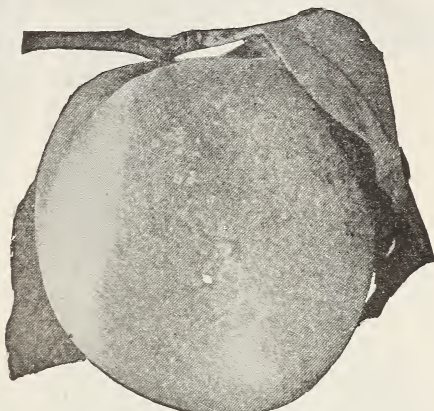
ADMIRAL DEWEY (F.)—A perfect freestone, of fine size, form and color, with delicious yellow flesh that is yet firm enough to ship well. The tree is a strong, hardy, symmetrical grower and produces well. The best early yellow freestone. July.

ALEXANDER (S. C.)—Large size, handsome and regular in form, with deep maroon shade, covered with the richest tint of crimson, rich and good in quality, with a vinous flavor; adheres to the stone. Last of June.

BOKHARA (F.)—Raised from seed procured in Bokhara, Asia. It has been fruited in the Northwest for years and found to be one of the hardiest peaches known there. Tree has stood 28 degrees below zero with but little injury to the tips, and produced fair crops. Fruit, large, yellow, with red cheek, of good quality, perfect freestone; skin tough, a fine shipper. August.

CHAMPION (F.)—The earliest freestone and a first-class shipper. Bears full crops when others fail. In comparison with the bountiful yield of all of the best kinds, it is of all of them the champion. Size large, flavor delicious, juicy, sweet, rich, excelling all other varieties; very handsome in appearance, creamy white with red cheek; very hardy; season earliest.

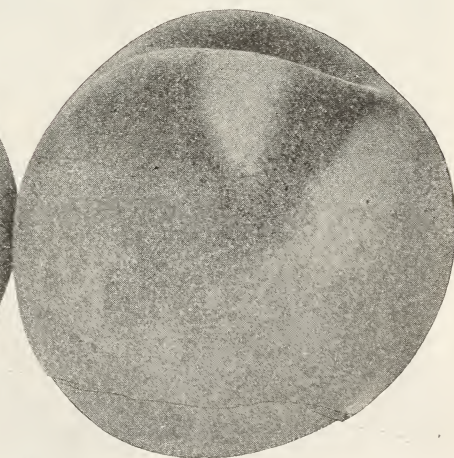
CRAWFORD'S EARLY (F.)—Fruit very large, oblong; skin yellow, with a fine red cheek; flesh yellow, juicy, sweet and excellent. Wonderfully productive and hardy. Freestone. Last of August.



Crawford's Early

CRAWFORD'S LATE (F.)—Fruit of the largest size; skin yellow or greenish yellow, with dull red cheek; flesh yellow; productive. One of the finest late sorts. Freestone. Last of September.

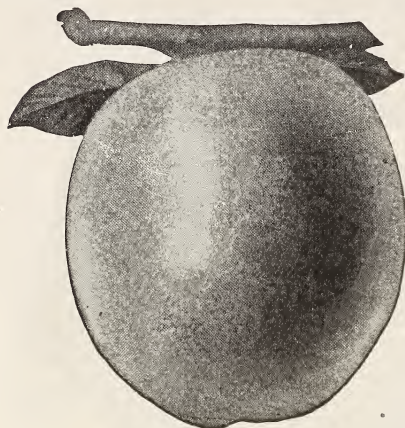
CROSBY (F.)—Rich orange yellow with blush, freestone, pit small. Flesh yellow, juicy and sweet. Tree low, spreading; willowy habit of growth. Ripens before Crawford's Late.



Champion

Peaches—Continued

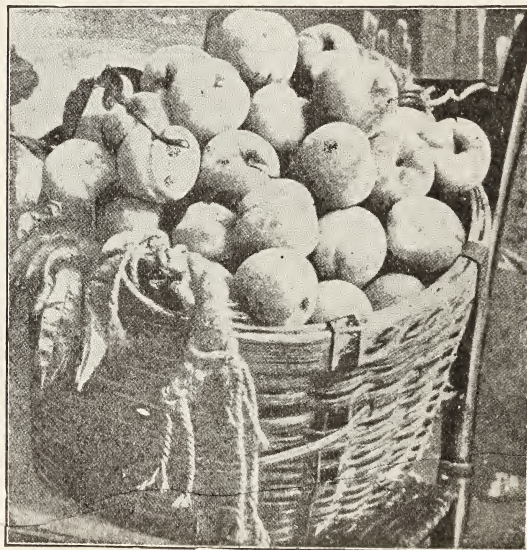
ELBERTA (F.)—Large, yellow with red cheek. Of excellent quality; flesh yellow and melting; freestone. The market peach of America.



Oldmixon

FITZGERALD (F.)—An improved Early Crawford, being fully equal to it in size, quality and color. The tree commences bearing young, is productive and one of the hardiest. Fruit large, brilliant color, bright yellow, suffused with red; flesh deep yellow, best quality. Early September.

HEATH CLING—Large, oblong, white, slightly tinged with red in the sun. Fruit tender, rich, melting, luscious. September 15.



Elberta



J. H. Hale

J. H. HALE—Probably no new peach has ever been introduced claiming to be so much superior in all ways. It averages one-third to one-half larger than Elberta, ripens about five days earlier and is much superior in flavor. Color a beautiful golden yellow, with deep carmine blush.

OLDMIXON (C.) — One of the old standard sort. Strong, upright grower, needing heavy annual shortening. Fruit large, round, somewhat elongated. Flesh firm and of good quality. August.

SNEED (S. C.)—Fruit medium to large, greenish white bluish on sunny side; juicy and good, July. Not reliable North, though desirable as a very early bearer.

TRIUMPH (F.) — Earliest yellow fleshed, with good eating and shipping qualities. Sure and abundant bearer; strong, vigorous grower. Fruit good size, yellow, with red and crimson cheek.

WONDERFUL (F.)—Originated in New Jersey. Very large, yellow with red cheek; flesh yellow, highly flavored and firm; bright red at the pit, which is small and parts freely from the flesh. Good keeper. October.



Superb Apricot

Apricots

ALEXANDER—Russian, an immense bearer. Fruit large, oblong, yellow, flecked with red; sweet and delicious.

BUDD—Russian. Large, white with red cheek; sweet and juicy; strong grower, good bearer. Late.

GIBB—Russian. Medium, yellow, sub-acid, rich and juicy, the best early sort.

MOORPARK—One of the largest and finest apricots. Yellow with red cheek. Flesh orange sweet, juicy and rich; parts from the stone. Very productive.

ROYAL—Large, roundish-oval; pale orange with faintly tinged red cheek; flesh yellow, firm, sweet, high flavored, slightly sub-acid and good quality, ripens a week earlier than Moorpark; a good market variety.

SUPERB—(Russian) — Medium, roundish-oval, smooth, light salmon with numerous red or russet dots, flesh yellow, firm, sub-acid and good; tree hardy and productive; middle of July.

Quinces

ORANGE—Large, roundish; yellow; cooks tender and is of excellent flavor. Valuable for preserves and flavoring. Productive. September and October.

CHAMPION—Fruit large, fair and handsome. Tree bears abundantly while young. Flesh cooks as tender as an apple and without hard spots or cores; flavor delicate. The most valuable of all.

MEECH PROLIFIC—The most profitable of all known varieties. Ripens between the Orange and the Champion. Bears early, quality good, and size large.

REA'S MAMMOTH—A very large, fine variety of the orange quince. Strong grower and productive.

Mulberries

The mulberry is not only valuable as an ornamental shade tree, but the fruit is well worthy of a place in every collection. Plant in deep, rich sandy loam. The tree requires little or no pruning and is of easy culture.

DOWNING'S EVERBEARING—This delicious variety produces a large fruit of a dark, purplish black color; flesh juicy, rich, sprightly, delicious. Very productive and ripening its fruit in succession for a long time. Not hardy North.



Downing's Everbearing Mulberries

NEW AMERICAN—Largest fruit, black; delicious flavor; a very attractive lawn tree, with very large leaves. Of rapid growth. Hardy.

RUSSIAN—Good shade and ornamental tree, rapid grower, excellent wind and snow break; most valuable to supply the native birds, thus keeping them from the most precious fruits. Fruit of little value.



Champion Quince

Grapes

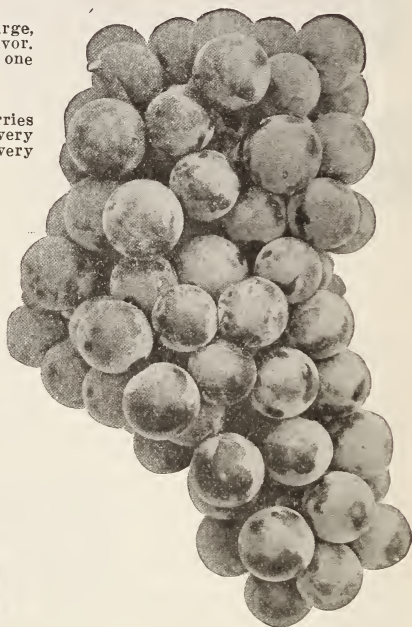
Annual and careful pruning is essential to the production of good grapes. The roots cannot bring to maturity a fine crop of fruit if they are called upon to carry too much wood. Late in the fall is the best time to prune, when the vines are dormant.

Red Varieties

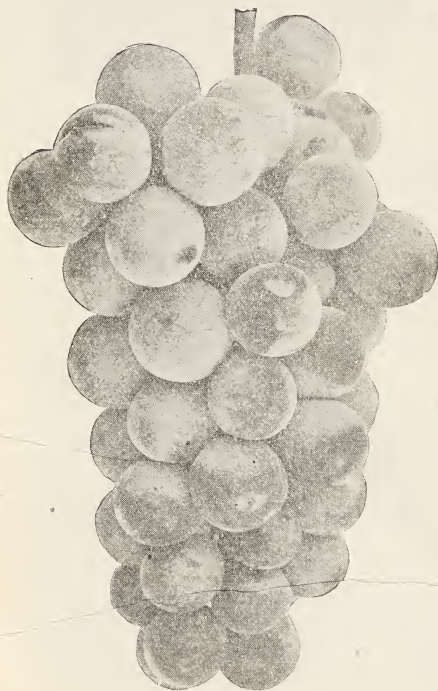
AGAWAM—Bunch large, shouldered; berry large, reddish brown, tender vinous and of excellent flavor. Very vigorous and productive. Vine hardy and one of the best of its class.

BRIGHTON—Bunch large, shouldered; berries medium to large, round, dark red, tender, very little pulp, sweet, juicy, slightly aromatic and very good. Ripens early.

DELAWARE—The bunches are small, compact, and sometimes shouldered; berries are small with thin but firm skin; flesh juicy, very sweet and refreshing and of the best quality for both table use and for wine. Ripens with Concord or a little before; vine is hardy, productive and a moderate grower.



Campbell's Early



Salem

SALEM—Bunch large and compact; berry large, of a light chestnut or Catawba color, thick skin, perfectly free from hard pulp; very sweet and sprightly with a most exquisite aromatic flavor; as early as Worden; keeps well.

Black Varieties

CAMPBELL'S EARLY—A new, very large and one early grape, black; strong, vigorous, hardy vine with thick, healthy leaves; clusters very large, usually shouldered, compact and handsome; berries large, nearly round, black, rich, sweet, very good; skin thin; seeds few and small, parting easily from the pulp; a good shipper. Ripens very early, but remains sound on the vines for many weeks. This makes it one of the most satisfactory and profitable market sorts to grow.



Duchess Pears



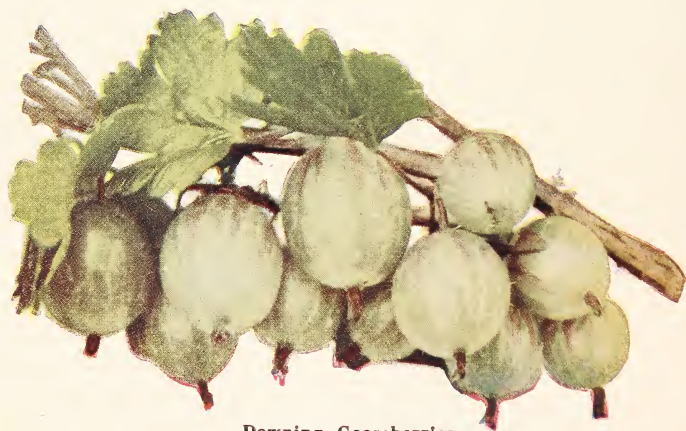
American Arbor Vitae Hedge



Juniperus Virginiana or Improved Red Cedar



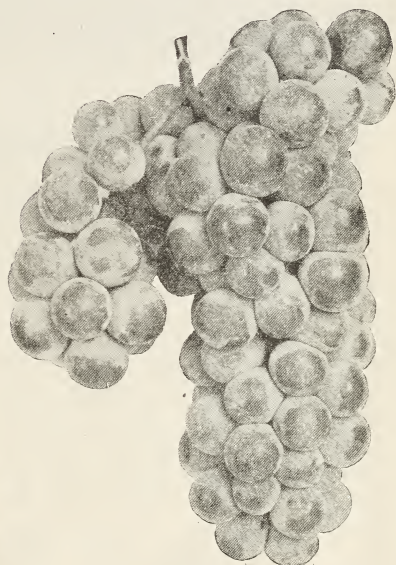
Catalpa Bungei



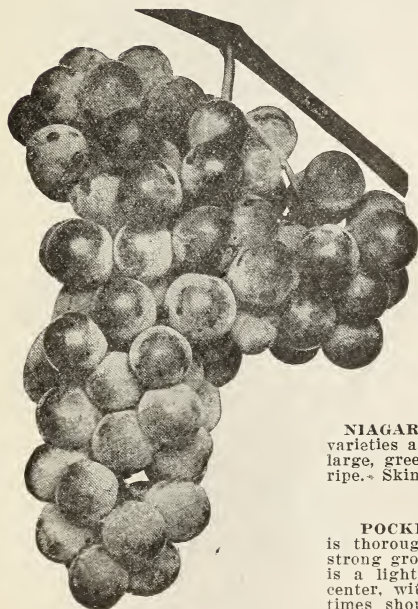
Downing Gooseberries



Concord



Niagara



Moore's Early

CONCORD—One of the most popular and reliable varieties we possess; bunch large, compact and shouldered; berry large, round, almost black with blue bloom, juicy, buttery and very sweet.

MOORE'S EARLY—A large grape, ripening a week earlier than Concord; good grower; berries large, good quality, and makes a moderate yield; very valuable as an early grape.

WORDEN—Seedling of the Concord, which it greatly resembles in appearance and flavor, but the berries are larger. The fruit is said to be better flavored and to ripen several days earlier. These qualities will give it the foremost rank among native grapes.

White Varieties

NIAGARA—Occupies the same position among the white varieties as Concord among the black. Bunch and berries large, greenish white, changing to pale yellow when fully ripe. Skin thin but tough, quality much like the Concord.

POCKLINGTON—Seedling from the Concord. The vine is thoroughly hardy both in wood and foliage; it is a strong grower, never mildews in vine or foliage. The fruit is a light golden yellow, clear, juicy and sweet to the center, with little or no pulp; bunches very large, sometimes shouldered; berries round, very large and thickly set. Ripens with the Concord.



Raspberries

Plant three and a half feet apart in rows four feet apart. Thin to four or five good canes in a hill; cut out old canes as soon as through fruiting.

Red and Purple Cap Varieties

COLUMBIAN—The Columbian is a new variety of the Shaffer type, of remarkable vigor and productiveness. Not very hardy and propagates from tips. Fruit very large, often an inch in diameter, shape somewhat conical, color dark red bordered on purple; adheres firmly to the stem and will dry on the bush if not picked; seeds small and deeply imbedded in a rich juicy pulp with a distinct flavor of its own. Succeeds wherever red sorts do well and promises to become the leading variety. A most delicious table berry.

CUTHBERT—Cane tall and vigorous, berries large, conical, rich crimson and very handsome; best quality and carries well; very productive.

HAYMAKER—Purple cap. A splendid shipper and canning berry; does not crumble; excellent quality; very productive; plants vigorous and hardy.

ST. REGIS EVERBEARING — The new everbearing variety. It gives a crop of fruit all summer and autumn fruiting on the old canes in generous quantities until late in August. By this date berries begin to ripen on the young canes and continue until late in autumn. Berries are a bright crimson of large size and of surprising quality, sugary with full raspberry flavor. It succeeds upon all soils, whether light and sandy or cold heavy clay and the canes are absolutely hardy.

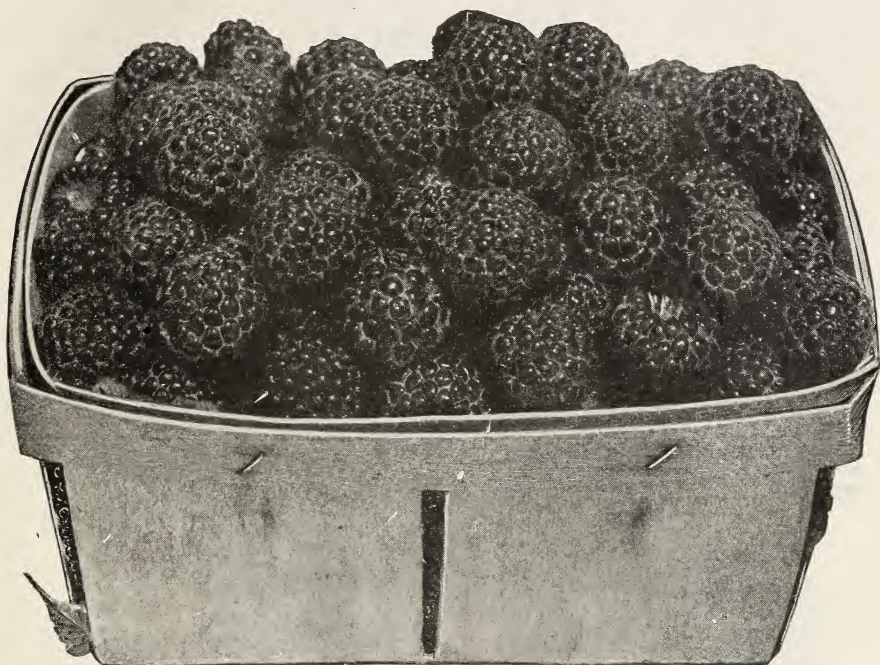
Black Varieties

CUMBERLAND—Largest black raspberry known; unusually strong grower, perfectly hardy. The most profitable raspberry grown.

GREGG—Extra big, enormously productive. Hardy; firm black meaty berries. Late ripening and firm for shipping.



St. Regis Everbearing

**Kansas Raspberries**

KANSAS—Originated at Lawrence, Kansas. Healthy, vigorous grower; early; berry is as large as Gregg and as good a shipper. Very productive, and valuable for early market.

Loganberries

Hybrid between a blackberry and a red raspberry, originated in California. Fruit as large as a blackberry, but of deep red color. Excellent as a novelty.

**Cumberland Raspberries****Loganberries**

Blackberries

Plant four feet apart in rows six feet apart. Pinch the canes back when four feet high. Light, moderately rich land is preferable.



Snyder

EARLY HARVEST—One of the earliest, but needs winter protection north. Medium size, quality good; prolific.

ELDORADO—A valuable blackberry for our northern climate. The berries are large, jet black, ripen well together and are borne in large clusters; they are sweet and delicious, have no hard core, and keep well after picking.

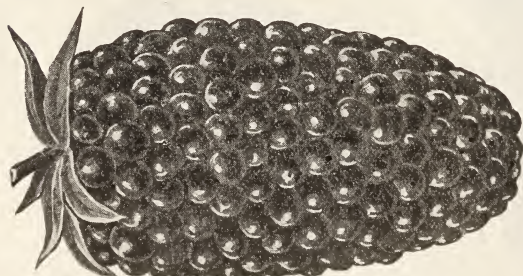
MERSEREAU—Renowned for hardness of cane, great productiveness and large size berry. Is not "seedy" like many other sorts. Fruit jet black, and does not change color.

Berries rich, melting and luscious, with little or no core.

RATHBUN—This new blackberry has been tested over a wide area and is said to surpass any blackberry on the market. Berries large, jet black and of very fine quality. Ripens early.

SNYDER—The old standard. Very hardy, consequently much raised in cold climates. Berries medium size, juicy, rich; strong, stout cane, thrifty growth and a very broad leaf.

Dewberries



Dewberry

LUCRETIA—Fruit very large, luscious and sweet; perfectly hardy, healthy, enormously productive; a very profitable market fruit; the vines should be allowed to remain on the ground during the winter and staked up early in the spring. Fruit ripens early, is often one and one-half inches long.

Currants

The currant is one of the most valued of the small fruits. They mature just before Raspberries and can be used either raw or cooked. Being very hardy, they do not winter-kill and are easy of cultivation, requiring little care. They can be grown in any good garden soil.



Cherry

CHERRY—The largest of all red currants; berries sometimes more than one-half inch in diameter; bunches short; plant very vigorous and productive when grown on good soil and well cultivated.

FAY'S PROLIFIC—For size, beauty and productiveness it is a remarkable red currant. The berry is equal to cherry currant, while the flavor is superior. The stem is long, which permits rapid picking, valuable for both market and home. Fruit hangs on well, never dropping, as in other currants.

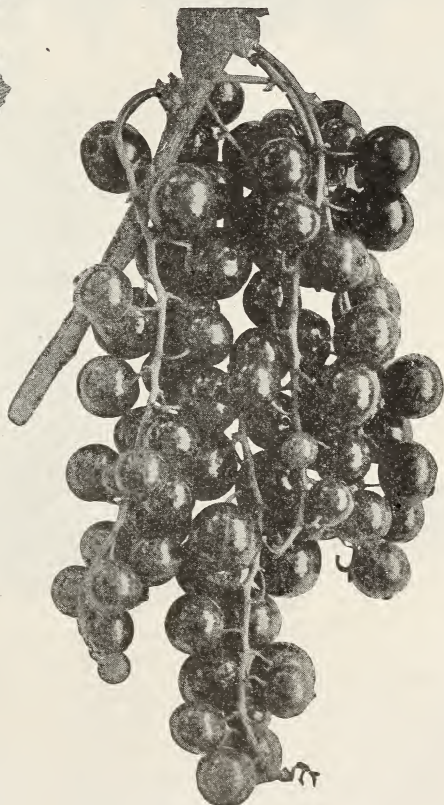
PERFECTION—Bright red, and of a size larger than the Fay; size of berries is maintained to end of bunch. It is one of the most productive Currants. Rich, mild, sub-acid flavor and having plenty of pulp with few seeds. You can pick Perfections fast as cherries.

POMONA—This is one of the most profitable currants for the market; while not the largest in size, it outyields all other varieties. Color is a beautiful bright red, berry sweet and less acid than most of the general varieties; good size, and larger than Victoria; a vigorous grower with healthy, hardy foliage.

RED DUTCH—Old, well-known sort of good quality; great bearer. Fine market variety. Vigorous and upright grower.

WHITE GRAPE—Very large, yellowish white; sweet, or very mild acid; excellent for the table. The finest of the white sorts, very productive.

WILDER—Very large; bright red and attractive; a splendid sort; not so acid as most. Bush very productive; large bunches; ripens rather early, fruit keeps well.



Perfection

Gooseberries



Downing Gooseberries

DOWNING—Fruit very large, flesh whitish green, soft, juicy and good; plant vigorous and prolific; one of the best.

HOUGHTON—The old, well-known sort; pale red, sweet and good. It is rather small, but a productive, healthy and very reliable gooseberry.

JOSELYN (Red Jacket) — Large size, smooth, prolific and hardy. Has been tested

by the side of all leading varieties, is freest from mildew of all. A wonderful cropper, with large, smooth, pale red fruit of first class flavor.

PEARL—A cross between Houghton and one of the large English varieties. It is very hardy and entirely free from mildew; superior in size and quality; as productive as Downing.

Strawberries



Progressive Everbearing Strawberries

Everbearing Varieties

AMERICUS EVERBEARING (P)—Large; firm; uniform shape; bright red through and through; has native wild strawberry flavor; very productive from May until hard freezing weather. Claimed by some to be the best of everbearing strawberries.

PROGRESSIVE EVERBEARING (P)—The berries are not as large as Superb and not so good quality, but they yield well and, we think, will be one of the best known varieties

of fall bearers in a few years. Fruit of Progressive is of good size, smooth, of good color and appearance.

SUPERB EVERBEARING (P)—Very large, dark red and glossy; fine quality. It begins to bear in June with immense crops and continues until late in fall. It is one of the heaviest bearers of berries in June as well as a remarkable fall bearer. Will produce a fair crop of fruit the first summer.

Spring-bearing Varieties

AROMA (P.)—Large; dark red; uniformly roundish, heart shaped; flesh firm and of very good quality. Stands shipping well; plants vigorous and very productive; blossoms rich in pollen and is good fertilizer for imperfect varieties. Late.

BUBACH (P.)—Very prolific, excellent flavor and large size. A number of new varieties have been pitted against it, claiming superiority in one way or another, but Bubach is among the best, and continues to grow in favor.

CHARLES I—Probably the largest and most productive strawberry grown. Quite dark red color. A very firm fruit and for delicacy of flavor it has no equal.

DR. BURRILL (P)—Fruit is large, beautiful, dark red in color, and of excellent flavor. Shape similar to the Senator Dunlap and ripens at the same time as the Dunlap; great canning berry. It is an excellent berry for the home garden or for the market. No better.

POCOMOKE — Good variety. Hardy and productive. Berries beautiful bright red, very large and firm. Flavor good. Stands shipping well. A fine market berry.

SENATOR DUNLAP (S)—This berry is of the Warfield type, has a perfect blossom, is hardy, productive, a splendid keeper and able to hold its own under any "rough and tumble" methods of culture to which it is likely to be subjected. It is a very heavy bearer of good size, even fruit, of a very beautiful dark red color. It is a berry to grow for either home use or market.

WARFIELD (P)—There is probably no better or more profitable berry grown for market. It is in greater demand than any other berry for canning purposes, which also creates a good market for it. Care should be taken to use the right berries as fertilizers. It needs a strong pollinizer.



Gibson



Klondike

GANDY (S)—Large, light crimson; flesh of firm, good quality. Plants vigorous but should be planted in swamp or moist, clay soils. Perfect. Late.

GIBSON—This is the most popular strawberry extant today. Best for market and best for the home garden. Berry large; dark glossy, red, nearly round, very productive. Plant Gibson and success will be yours.

HAVERLAND (P)—Profitable by reason of its productiveness and earliness; requires deep, heavy soil; plant exceedingly vigorous and healthy; fruit large, handsome and good, rather long in shape and of a bright, glossy crimson; early.

KLONDIKE (S)—Large; red; flesh firm, red to the core, with a mild and delicious flavor, unlike any other variety. Is very popular with southern growers who ship. Plant tall, compact, vigorous grower; resists frosts well and yields good crops. Perfect. Midseason.

Rhubarb

This deserves to be ranked among the best early fruits in the garden. It affords the earliest material for pies and tarts, continues long in use, is valuable for canning. Use well grown roots, not divided old clumps.

WYATTS LINNEAUS—Large, early, tender and fine.

Asparagus

The first garden vegetable of spring; it is a great delicacy and comes in just when it is most needed. One hundred roots will supply a small family and will last for years. Set the plants about eighteen inches apart in the row. Spread the roots out in the bottom of the hole or furrow and gradually fill in as the plant grows, so that the roots will be about four inches deep.

CONOVER'S COLLOSAL—Best for general planting.

PALMETTO—Newer variety, earlier; probably as good.

Roses

Hybrid Perpetuals

ALFRED COLOMB—Bright carmine red; clear color, large, deeply built form; exceedingly fine.

AMERICAN BEAUTY—The world-famous rose. Rich, rosy-crimson, exquisitely shaded. Magnificent buds. Flowers extra large and deep petaled; of beautiful form and very double. This hardy rose has the ever-blooming qualities of the Tea Rose with the delicious odor of the La France. The great American forcer and bedder, each shoot producing a bud. A universal favorite. Not hardy.

ANNE DE DIESBACH—Brilliant crimson, sometimes shaded with bright maroon. A superb garden sort; fragrant, one of the hardest and best.

CLIO—A rose of perfect form and finish, with broad, thick petals, high full center, beautiful from pointed bud to fully opened flower. The color is a delicate satiny blush with slightly deeper center. The plant is vigorous and blooms freely, displaying its great flowers on good stems against large rich leaves.

COQUETTE DES ALPS—White tinged with pale rose, size medium, fine form, a free bloomer, dainty and attractive.

DUFFERIN—Rich, dark crimson, shading to maroon; large, full, fragrant; a good grower; one of the best dark roses.

FRAU KARL DRUSCHKI—Snow white, very large, perfect form. A vigorous grower and free bloomer. Bright, heavy foliage.

GENERAL JACQUEMINOT—This might be called the rose for the million, for it is still a universal favorite. Bright crimson-scarlet, exceedingly rich and velvety.

JOHN HOPPER—Color, a brilliant pink shaded with scarlet. Very sweet, perfect, profuse bloomer.

MAGNA CHARTA—Bright, clear pink, flushed with violet crimson; flowers large, fine form, sweet, very double and free bloomer.

MARGARET DICKSON—A very free grower, foliage large and dark. Flower white, with pale flesh center; petals are thick and bell-shaped; quite fragrant.

MARSHALL P. WILDER—New; color cherry carmine; continues in bloom long after others are out of flower.

MRS. JOHN LAING—Deep rose; large, fine form, fragrant, vigorous grower and hardy. One of the most profuse bloomers.

PAUL NEYRON—Deep rose color, good foliage; by far the largest variety in cultivation; one of the best.

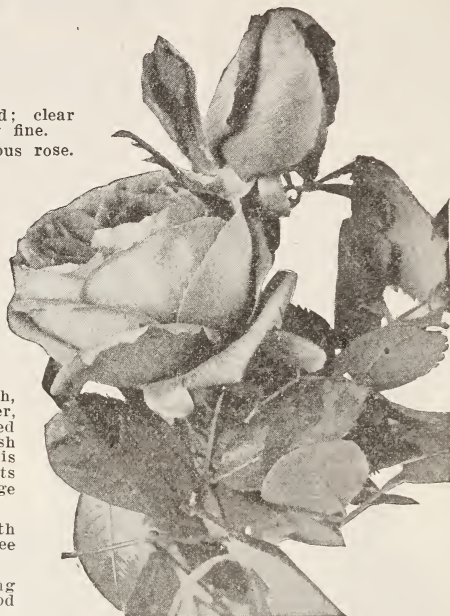
PRINCE CAMILLE DE ROHAN—Very dark, rich velvety crimson, passing to intense maroon, shaded black; large full flowers. One of the darkest roses and very handsome.

SOLEIL D'OR—Large, full and globular, fragrant; buds conical shaped; color varying from gold and orange yellow to reddish gold, shaded with nasturtium red.

ULRICH BRUNNER—An upright grower with bright, healthy foliage. Flowers are a bright cherry red, good size and of fine form.

Hybrid Tea

GRUSS AN TEPLITZ—Unquestionably the finest brilliant red, hardy, ever-blooming garden rose. The flowers are very showy and handsome, blooms constantly and continues covered with flowers the whole season.



American Beauty



Frau Karl Druschki

KAISERIN AUGUSTA VICTORIA—White. One of the most beautiful of all Roses for open-ground culture. Blooms steadily from early spring until severe frost; in fact, it is as free-blooming as any Tea Rose. Elegant, large, pointed buds and large, full-double flowers; color, delicate creamy white; deliciously fragrant.

KILLARNEY (Pink)—A phenomenal Hybrid Tea Rose, especially as to the coloring, which is an exquisite shade of deep shell-pink. The flowers are enormous, the petals frequently measuring $2\frac{1}{2}$ inches deep. Wonderfully strong, throwing up heavy roots crowned with long, heavy buds. Free-flowering and perfectly hardy.

Climbing Roses

CLIMBING AMERICAN BEAUTY—A strong, vigorous climber but may be kept pruned back to a large size bush rose. The blooms are the same size, color and fragrance as the old variety and when in bloom it is a perfect mass of color.

CRIMSON RAMBLER—Nothing equals this as an all round hardy garden rose, on account of its brilliant color, profusion of bloom and length of time the flowers last. It may be used as a climber, or can be grown in large bush form. It blooms in large clusters of 50 to 100 flowers in a cluster, covering the foliage its entire length with a solid mass of the most beautiful, perfectly shaped miniature crimson blossoms. Blooms last of June and remains in flower longer than any other hardy out-door rose.

DOROTHY PERKINS—This is a splendid new shell-pink climbing rose. This new rose

is of the same strong habit of growth as the Crimson Rambler, and the flowers are borne in clusters of thirty and forty and sometimes fifty to sixty. The flowers are large for a rose of this class. Very double and sweetly scented.

EXCELSA (Red Dorothy Perkins)—This is identical with Pink and White Dorothy Perkins in growth and blooming qualities. The color is a brilliant crimson, making it one of the most showy roses grown.

FLOWER OF FAIRFIELD—A sort of the well-known and famous Crimson Rambler climbing rose. This new rose produces its lovely flowers until killing frosts stop further growth of the plant. The flowers are produced in great trusses, each carrying from thirty to forty blossoms of the brightest crimson, which remains undimmed to the end.

QUEEN OF THE PRAIRIE—Bright rose in clusters, vigorous, very free bloomer.

SEVEN SISTERS—Fine, free bloomer, bright scarlet; claimed by some to be harder than Prairie Queen.

TAUSENDSCHON—Truly called "Thousand beauties." One of the really reliable novelties. It bears its flowers in immense clusters; in color a soft pink when first opening, changing to a carmine-rose on the reverse as they expand.

WHITE RAMBLER (Thalia)—Flowers are the size of a silver quarter, perfectly filled, very fragrant; color pure white, sometimes tinged with blush. Blooms in clusters.

YELLOW RAMBLER (Aglais)—Flowers medium size, cup-shaped, nearly full, sweet-scented; blooms in large clusters; color very light yellow. Of the class and habit of the famous Crimson Rambler.

Miscellaneous Hardy Roses

MADAM PLANTIER—Flowers pure white of medium size; full; somewhat rosy in the bud form; produced in greatest abundance quite early in the season. The leaves are small; the bush hardy and spreading. Fine for masses, hedges, borders, cemeteries, etc.

PERSIAN YELLOW—Similar to above, but with flowers fuller and of better form. Bright yellow; the most double of this class. The finest hardy yellow rose.

Baby Rambler Roses

PINK BABY RAMBLER—A brilliant rose color.

RED BABY RAMBLER—Crimson flowers. Very attractive and popular.

WHITE BABY RAMBLER—Pure white flowers, produced in large candelabra-shaped trusses.

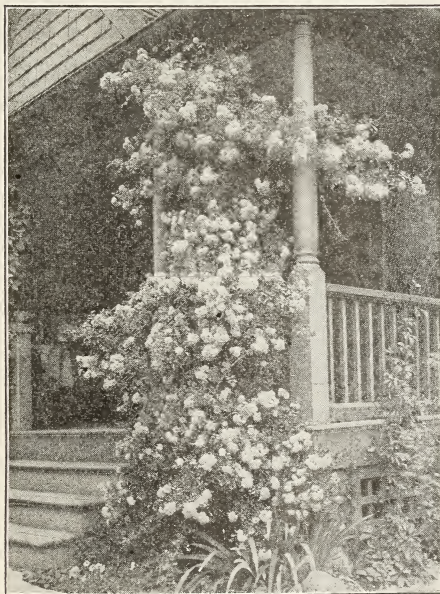
Moss Roses

BLANCHE MOREAU—Pure white, large and full, perfect form and well furnished with deep green moss. Very strong grower.

CRESTED MOSS—The deep pink buds are surrounded with a mossy fringe and crest; fragrant. One of the best.

PERPETUAL WHITE—Pure white, blooms in clusters, double, beautiful, vigorous.

SALET—Clear rose color, very double, of vigorous growth and abundant bloom. Perpetual.



Dorothy Perkins

Ornamental Shrubs

The planting of ornamental shrubs is very largely on the increase, and this is as it should be, for with a good selection the lawn can always be beautiful. They are mostly of medium size, enabling one to plant a great variety on a small plat, and the wonderful assortment of foliage from the darkest green and purple to light orange and silver tints. This addition to the great variety in the blossoms, all unite to keep up a never failing interest. We have selected the very best for our climate.

FLOWERING SHRUBS — Variegated Colored Foliage—Barberry, Golden Elder, Syringa, Variegated Weigela.

Shrubs that Flower in May—Flowering Almonds, Honeysuckle, Japan Quince, Lilac, Snowballs, Spireas, Wistaria.

In June—Clematis, Deutzia, Elder, Honeysuckle, Paeonies, Lilacs, Snowball, Spireas, Syringa, Weigela, Wistaria.

In July—Clematis, Spirea, Honeysuckle.

In August and September—Bignonia, Clematis, Honeysuckle, Hydrangea.

ALTHEA, or ROSE OF SHARON—Valuable because they bloom so profusely in late summer when other flowers are scarce. They form beautiful groups of hedges, their variety of colors making it possible to use quantiles of them even in small grounds.

ALMOND, FLOWERING—Pink and white varieties. These beautiful shrubs are desirable and scarce. Hardy.

CALYCANTHUS (Carolina Allspice)—A well known native bush very double, purple fragrant flowers.

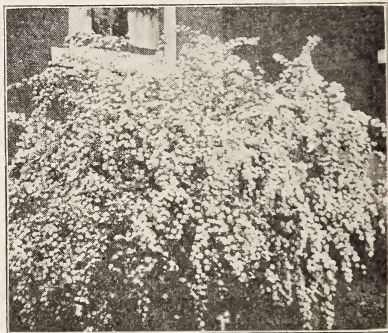
CORNUS SIBERICA (Dogwood)—Grows 5 to 10 feet high, with clusters of fine, white flowers, succeeded by a fall crop of ornamental berries. Branches turn to blood-red during winter.

CORNUS STOLONIFERA (Red Osier Dogwood)—A rather dwarf form of the Dogwood. Bark red, flowers white, followed by pure white berries.

DEUTZIA (Pride of Rochester)—A very desirable shrub, of strong, hardy growth, bearing an abundance of beautiful racemes of purplish-white flowers.



Hydrangea, P. G.



Spirea Van Houttei

ELDER GOLDEN—The leaves are a bright and constant golden color; the flower cluster pure white. Valuable for contrasts and for massing.

FORSYTHIA - GOLDEN BELL — Pretty shrubs of medium size, blooming in spring before the leaves appear. Flowers are yellow, drooping, and are borne along the stem. They are exceptionally hardy and thrive in any locality. The green branches also add to their attractiveness and the graceful bush or pendulous habit.

HONEYSUCKLE, UPRIGHT (White or Pink)—White or pink flowers which contrast beautifully with the foliage. Blossoms in June.

HYDRANGEA, ARBORESCENS STERELIS (also Hills of Snow, Summer Hydrangea, or Snowball Hydrangea.) The blooms are of the very largest size, of pure snow-white color, and the foliage is finely finished. One of its most valuable characteristics is its coming into bloom just after the passing of all the early spring shrubs.

HYDRANGEA, PANICULATA GRANDIFLORA—These plants are absolutely hardy, grow in any soil and bloom the same year they are set out. They flower abundantly, bearing hundreds of immense panicles of bloom. White turning to rose in autumn. An annual shortening of branches tends to increase the size of the flowers. Very fine and valuable for cemetery planting.

LILAC (Common Purple)—Bluish purple flowers, well known.

LILAC (Common White)—Cream white flowers.

LILAC (Persian Purple)—Of more slender growth and finer foliage than the common lilac. Flowers purple in large, loose panicles.

PYRUS JAPONICA (Japan Quince)—The most beautiful of early blooming shrubs, and as a mass of scarlet or crimson, tinged in the exquisite green of its glossy foliage, it has no rival.

SNOWBALL (Common)—A popular shrub. Makes a large bush. Bears balls of pure white flowers in June.

SPIREAS—Decidedly the best and hardiest family of shrubs for the Northwest. Many beautiful varieties of different colors and times of flowering, from May to September. Of easiest culture; should be planted everywhere.

SPIREA, ANTHONY WATERER—A small dwarf variety $1\frac{1}{2}$ ft., covered with flat heads of pink flowers. Used for edging and in front of shrubbery.

SPIREA, VAN HOUTTEI—Graceful, with long, drooping sprays, thickly studded with handsome, pure white flowers; hence its popular name, "Bridal Wreath." The finest Spirea of them all.

SYRINGA (Mock Orange)—Beautiful, tall, vigorous, hardy, with profuse, white, orange-like flowers in May. Very popular.

WEIGELA ROSEA—Hardy, with profuse, rosy, trumpet shaped flowers in May. The most superb shrub of the season.

WEIGELA, CANDIDA—Flowers pure white, produced in June and continue to bloom nearly all summer.

WEIGELA, EVA RATHKE—Flowers a brilliant crimson; a beautiful, clear, distinct shade.

WEIGELA, VARIEGATED LEAF—Of dwarf habit and clearly defined silvery variegated leaves; flowers rose colored.

Hardy Climbing Vines

Ornamentals of this class are so hardy and so beautiful that they deserve greater attention than they receive. No artist can produce pictures equal to the wealth of beauty displayed by the elegant Wistaria, the graceful Honeysuckle, or the charming and magnificent Clematis when in the glory of full bloom.

AMPELOPSIS (American Ivy or Virginia Creeper, also called Woodbine)—A very rapid grower, having beautiful dark green foliage, assumes rich crimson hues in autumn.

AMPELOPSIS (Vetchii or Boston Ivy)—Leaves a little smaller and more ivy like in form than the foregoing. Overlapping each

other they form a dense sheet of green. The plant requires a little protection the first winter until it is established.

ARISTOLOCHIA (Dutchman's Pipe)—A native species of climbing habit and rapid growth, light green foliage, and pipe-shaped yellowish brown flowers.

BIGNONIA (Scarlet Trumpet Flower)—A splendid climber, vigorous and hardy, with clusters of large trumpet-shaped scarlet flowers in August.

CLEMATIS—The different varieties and species of Clematis now in cultivation are of the highest beauty and utility. They vary greatly in their foliage and flowers and are adapted to various uses.

CLEMATIS, JACKMANII—A very profuse blooming variety with flowers from four to six inches in diameter, of an intense violet-purple color borne successively in continuous masses on the summer shoots. The very best sort for general planting.

CLEMATIS, HENRYII—Fine bloomer; flowers large, of a beautiful creamy white, consisting generally of from six to eight sepals. June to October.

CLEMATIS MADAME EDOUARD ANDRE—Flowers large, of a beautiful bright velvety red, very free flowering and continuous bloomer.

CLEMATIS PANICULATA—A great novelty. One of the most desirable, useful and beautiful of hardy garden vines, a luxuriant grower, profuse bloomer with fine foliage. Flowers of medium size, very pretty and fragrant, produced in the greatest profusion in late summer.

HONEYSUCKLE (Monthly Fragrant)—Blooms all summer; very sweet.



Clematis, Jackmanii

Hardy Climbing Vines—Continued

HONEYSUCKLE (Hall's Japan)—A strong, vigorous, evergreen variety with pure white flowers changing to yellow. Very fragrant; covered with flowers from June to November. Better have some winter protection.

HONEYSUCKLE SCARLET TRUMPET—One of the handsomest in cultivation; a

strong, rapid grower; flowers a bright scarlet, not much odor.

WISTARIA (Purple) — A most beautiful climber of rapid growth, producing long, pendulous clusters of pale blue flowers. When well established makes an enormous growth. It is very hardy and one of the most superb vines ever introduced.

Hardy Herbaceous Perennials

DAHLIAS—Well known autumn flowering plants, growing from two to five feet high, and producing a profusion of flowers of the most perfect and beautiful form, varying in color from the purest white to the darkest maroon.

GLADIOLI—Of all our summer flowering bulbs gladioli stand at the head of the most varied and beautiful class. The flowers are produced in spikes two feet in height and upwards; the brilliant scarlet and crimson of some form a striking contrast with the delicate shades and penciling of the lighter colored varieties. By planting at intervals from May 1st to middle of June a succession of flowers can be had from July to October.

GOLDEN GLOW—We call attention to this notable novelty, and offer it as the finest herbaceous border plant introduced for many years. It is of easy growth and is giving complete satisfaction. But few plants can vie with it in attractiveness. There is no floral novelty before the public to be compared to it for effectiveness and worth.

PEONIES—No flowers exceed the Peonies in popularity, and none are more easily grown. They are seldom attacked by insects or disease, and are perfectly hardy, requiring no covering in the severest weather. They thrive in all kind of soil and flourish in a rich deep loam.

No hardy perennial is of more permanent value than the Peony. The first cost is the only cost, and they continue to increase in size and value for many years. The foliage is rich and beautiful deep green color, which renders the plant very ornamental even when out of flower, and no other flowers are so well adapted for interior decoration and none make more massive color effect when planted in a border or in a bed on the lawn. Their popularity has increased during the past few years since the new improved varieties have been disseminated. Peonies range in color from cream and pure white through the various shades of pink and red to the deepest purple and maroon, in all possible combinations of tint and form.

A List of Good Named Varieties

Festiva Maxima—Very large, pure white flowers, with some blood-red stains in center; tall stalks; beautiful foliage and very free-flowering. In every respect one of the most desirable white Peonies in cultivation.

Edulis Superba—Beautiful, brilliant rose-pink, large well formed, full flower on strong stem. Blooms very early, just

before Festiva Maxima. Lasts well. Fragrant and good in every way.

Felix Crousse—Large, compact. Deep rose-red. Fragrant. Strong, robust grower. Free bloomer.

PERENNIAL PHLOX (Strong Field Grown Stock)—

A choice list of varieties—

Bridesmaid, white with large crimson center.

Fantome, deep lavender, edged and shaded with white, dwarf.

Fraulein G. Von Lassburg, pure white, immense panicles.

Isabey, Salmon-pink.

Lothair, bright crimson.

Pecheur d' Island, lavender-cerise.

Rynstrom, a lively shade of rose-pink, very large.

Sunset, dark, rosy-pink.



Peonies

YUCCA FILAMENTOSA (Adam's Needle)—Thread-leaved, creamy white; stem three to four feet high, covered with bell-shaped flower, on laterals forming a pyramid; very striking.

Flowering Bulbs

to be Planted in the Fall

CROCUS—In various colors, single and double.

HYACINTHS—Among the bulbs used for winter flowers, Hyacinth stands foremost on the list. Two methods are employed in flowering the hyacinth in winter, one in glasses filled with water, the other in pots or boxes of soil.

JONQUILS—Pretty varieties of the Narcissus, have a very agreeable fragrance; adapted to either pots or out-door culture. The bulbs being small six or eight may be put in a six-inch pot.

LILIES—The lilies are entirely hardy with few exceptions. Quite fragrant and most of the varieties are very beautiful.

LILIUM AURATUM—Gold banded lily of Japan.

L. CANDIDUM—Common white.

L. HARRISH (Bermuda Easter Lily)—Pure white, trumpet shaped flowers, very fragrant. The finest lily grown.

L. LANCIFOLUM ROSEUM (Rose Spotted).

L. LANCIFOLUM RUBRUM (Red Spotted).

L. TIGRINUM (Double Tiger Lily)—Bright orange scarlet with dark spots.



Hyacinths



Dahlias

LILY OF THE VALLEY—This lily is as hardy as any plant can possibly be, and when planted in open ground will increase pretty rapidly.

TULIPS—Owing to the late spring frosts bedding plants cannot safely be planted before the early spring flowering bulbs are thorough blooming. They thrive well in almost any soil. Should be planted during October and November.

Hedge Plants

BARBERRY (B. Thunbergii) — A low, spreading bush, with small branches covered with small sharp thorns and in spring with small yellow flowers, succeeded by bright scarlet berries; foliage changes in the autumn to shades of scarlet and gold; makes a dense, thick hedge.

PRIVET (Amoor River North) — This is the most beautiful hedge plant grown. It has a luxuriant, glossy leafage and thick clusters of fragrant white flowers. Hardy,

free-growing, of dense, neat habit, attractive all the year, in berry leaf, or flower. Makes a beautiful specimen plant, a fine screen, group or hedge.

PRIVET (California)—One of the finest for hedges where it does not winter-kill. The foliage is large and glossy, and is almost evergreen. While we can furnish the California Privet for hedging purposes, we do not recommend it as being absolutely hardy north of the 41st parallel of latitude.

Hardy Ornamental Trees

The stock of ornamental trees that we offer will be found to comprise a sufficient number of kinds that are really valuable, so that our customers may, from the list offered, secure such a variety as will give full satisfaction.

For Streets, Roads and Wide Avenues—American Elm, Sugar and Silver Maple, Carolina Poplar.

For Driveways through Lawns and Parks—Norway Maple, Tulip Tree, Catalpa, American Linden.

Single Specimens of Large Growth to be Branched from the Ground—Birches, particularly Cut-Leaf Weeping; Austrian and Scotch Pines, Norway and Colorado Spruces, Balsam Fir.

Single Specimens of Medium Growth to be Branched from the Ground—Prunus Pisardii, Hemlocks, White Pine, Arbor Vitae.

Strong Growing Trees of Pyramidal Habit—Carolina Poplar, Balsam Fir, Pyramidalis Arbor Vitae.

Trees that Thrive in Moist Locations—American Elm, American Linden, Ash, Catalpas, Poplars and Willows.

Trees that Thrive on Dry Knolls or Poor Soils—Silver Leaf Maples and Poplars.

Best Trees for Windbreaks—Norway and White Spruces, Scotch and White Pine, Carolina Poplars and Silver Maples.

Flowering Trees—Judas Tree, Fringe Tree, White and Purple Lindens, Horse Chestnut, Arbor Vitae.

Cut-Leaf Trees—Cut-Leaf Weeping Birch, Weirs Cut-Leaf Maple.

Purple and Scarlet-Leaved Trees—Purple-Leaf Beech, Plum, Purple Norway Maple.

ASH WHITE—Rapid growing tree, of fine, symmetrical outline. A valuable street or park tree and should be extensively planted.

BIRCH, WHITE—A beautiful native tree particularly in the northern part of the country. Its shining white bark and slender, dark brown branches make it a conspicuous and very attractive object. Foliage large and handsome.

BLACK OR YELLOW LOCUST—A native tree of large size, rapid growth and valuable for timber as well as ornamental; flowers are white or yellowish, very fragrant and appear in June.

BOX ELDER (Maple Ash Leaf)—A fine, rapid growing tree, with handsome, light green, pinnated foliage and spreading head; very hardy.

CAROLINA POPLAR—Takes front rank among best of poplars; it is one of the most rapid growers among shade trees. Its branches spread just enough to give it a symmetrical appearance. It has advantages over other shade trees because it will grow on any kind of soil, swampy or muck, light or heavy. Its roots penetrate the hardest soil, it withstands all hardships and thrives in places where others fail to live. It is easily started and gives shade in a short time. Its leaves are large and stay green till quite late in the fall.

CATALPA BUNGEI—A remarkable species forming a dense, round umbrella-like head; makes a beautiful lawn tree when grafted or budded on a high stem.

CATALPA SPECIOSA—A variety which is said to have originated in the West; it is very hardy and a rapid grower and is being extensively planted for commercial purposes; has broad deep green leaves and beautiful large blossoms, making it a highly ornamental tree for lawn or street. Valuable for planting in groves for growing poles, posts and railroad ties.

CHESTNUT, AMERICAN SWEET—Well known beautiful tree, valuable for fruit and timber. Should be planted only on thin, dry soils.

CRAB (Bechtel's Double Flowering)—This blooms in early spring exhaling a most delightful fragrance from its masses of double, delicate pink flowers.



Catalpa Bungei

ELM, AMERICAN WHITE—The noble, spreading, drooping tree of our woods. One of the grandest of park or shade trees.

EUROPEAN LINDEN—A medium size tree with rather small dark green leaves, compact and conical. It blooms profusely, and the sweet odor is carried over a whole lawn. Unsurpassed for formal or avenue planting.

FRINGE, PURPLE—Very conspicuous in mid-summer when veiled with a thick mist of dusky purple flowers, so light as to simulate wreaths of smoke. This is sometimes called "Smoke Tree."

HACKBERRY or NETTLE TREE—A highly ornamental tree, somewhat similar to the elm but more formal. The ripe fruit is a joy to boys and birds in the fall and early winter. Used somewhat as a street tree, but not half appreciated.

HONEY LOCUST—A rapid-growing native tree with powerful spines and delicate foliage; the greenish flowers appearing in early summer are followed by flat pods 8 to 10 inches long; used extensively for hedges.

HORSE CHESTNUT—Common or white, flowering. A very beautiful, well known tree, with round, dense head, dark green foliage, and an abundance of showy flowers in early spring.

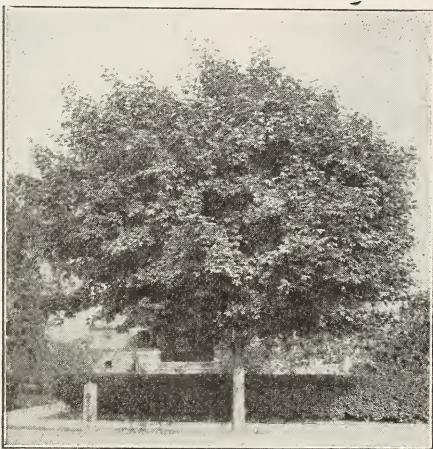
LINDEN (American or Lime)—A rapid growing, large, beautiful native tree. Flowers very fragrant.

MAPLE (Silver Leaved)—Leaves white underneath; of rapid growth; very ornamental and one of the best street trees we have.

MOUNTAIN ASH EUROPEAN—A fine tree with dense and regular head; covered from mid-summer to winter with great clusters of bright scarlet berries.



Carolina Poplar



Norway Maple

NORWAY MAPLE—Of spreading, rounded form; foliage large, dark green; a rich and majestic shade tree.

SUGAR MAPLE—A beautiful, stately tree of fine form; a desirable shade tree. Slow grower.

SYCAMORE AMERICAN or PLANE TREE—A well-known tree, very common throughout the United States; leaves heart-shaped at base, the short lobes sharp pointed; branches are wide spreading.

SYCAMORE ORIENTAL PLANE or EUROPEAN (P. Orientalis)—A rapid growing, erect tree with bright green foliage; much more esteemed than the American variety as a shade tree; very desirable for parks, streets and lawns.

WALNUT, BLACK—Valuable for nuts and timber. It is hardy and succeeds best on a rich, deep, moist soil. Too well known for long description.

Weeping Varieties

BIRCH (Cut-Leaf Weeping)—Erect, stately, rapid growing tree, with long, slender, pendant branches, delicately cut leaves and silvery white trunk; especially fine when near evergreens; hardy; the most elegant weeping tree on the list.

ELM CAMPERDOWN, WEEPING—A vigorous grower; leaves large, dark green and glossy, covering the tree with a luxuriant mass of verdure; very desirable as an ornamental.

MOUNTAIN ASH (European Weeping)—A strong grower; remarkably pendant; perfectly hardy; succeeds admirably on prairie soil.

TEAS' WEEPING MULBERRY—Forms a perfect umbrella shaped head, with long slender branches drooping to the ground, parallel to the stem; very hardy; one of the prettiest small weeping trees.

Hardy Evergreens



Evergreen Planting

fresh loose earth about the tree with a hoe. No wind can now bend the tree about so as to break the tender rootlets as fast as formed.

Use Scotch Pine, White Spruce, Norway Spruce, and White Pine for high screens, and Arbor Vitae or Red Cedar for low ones.

ARBOR VITAE (American)—This plant is, all things considered, the finest evergreen for hedges. It is very hardy and easily transplanted, few plants failing if properly handled. It grows rapidly and with little care, or rather by easy management, it soon forms a most beautiful hedge, very dense and perfectly impervious to the sight. It is never planted to turn stock, but it forms a most desirable and ornamental screen to divide the lawn from other grounds.

ARBOR VITAE ((Pyramidalis))—superb, new and hardy sort, of very compact habit; much better than the Irish Juniper, and grown in a perfect column. Largely planted in cemeteries, owing to the small amount of space it occupies. This is perhaps the most valuable Arbor Vitae in cultivation.

BALSAM FIR—A handsome, compact erect, pointed tree, with short, soft leaves, which are dark green above, silvery beneath, a good grower.

HEMLOCK—An elegant, pyramidal tree, with drooping branches and delicate dark foliage, like that of the Yew; distinct from all other trees. It is a beautiful lawn tree and makes a highly ornamental hedge.

IRISH JUNIPER—Very erect and tapering in its growth, forming a column of deep green foliage; a pretty little tree or shrub, and a general favorite for its beauty and hardiness.

NORWAY SPRUCE—A lofty, elegant tree of perfect pyramidal habit, exceedingly picturesque and beautiful. One of the best evergreens for windbreaks.

In handling and planting evergreens never allow the roots to become dry for an instant. Their juices are resinous, and when once dry, water has no power to restore them; dip the roots in "grout" or very thin mud, and plant quickly; cover the roots with fresh soil and with a heavy piece of wood beat the earth solid over them. Fill up and pound again, and finish by bringing



Spruce

PINE AUSTRIAN or BLACK—A remarkably robust, hardy, spreading tree; leaves long, stiff, dark green; growth rapid; valuable for this country.

PINE, SCOTCH—Is one of the most rapid growers while young, one of the best for shelter planting in the West. It will make the best windbreak in the least time of any; it is a very valuable species.

PINE, WHITE—One of the best evergreens. The foliage is a warm, light green, often with a bluish tinge. The leaves, in fives, are three or four inches long, soft and delicately fragrant. It does not grow as rapidly the first few years as some, but after being planted eight or ten years it is the most rapid grower of all our evergreens.

RED CEDAR—A well known tree with fine deep green foliage; variable in its growth; suitable for ornamental hedges.

SPRUCE, COLORADO BLUE—This species has been tested at various points on the prairies of the West and Northwest with perfect success, and during a tempera-

ture of 30° below zero, in exposed situations, entirely uninjured. One of the hardest evergreens and the most beautiful in color and outline. "This is the king of spruces, clothed in royal robes of silver and sapphire, a very Kohinoor among the gems of the Rockies."

SPRUCE, WHITE—A tall tree with compact branches and light green foliage. Very handsome.



Spruce, Colorado Blue

Our evergreens are given special care, handled carefully and transplanted frequently, so there is no danger in moving them from our nurseries. Each tree is planted so that it grows symmetrically and develops into a shapely specimen.

Transplanting Directions

ISSUED BY

C. E. CRAVENS

Orchardist and Nurseryman

Gallatin, Missouri

In presenting these instructions to our patrons, we would earnestly request that they give the most careful attention to the details. They have been compiled with a view to making them as simple as possible; and having fulfilled our part of the contract by delivering first-class stock in good condition, also giving all necessary instructions how to care for it, if any of our customers should lose a portion of their stock, the fault cannot be on our side. We allude to this because years of experience have taught us that the public lose nursery stock because they neglect it; and we have taken the precaution to send a copy of our Transplanting Directions to every customer, so that none may claim that they do not know how to plant and care for their stock.

We guarantee to deliver the stock in *good condition*, and could we plant and care for it for the first three months, would willingly insure the growth of every tree and shrub sent out. We seldom ever lose a plant, even when we import them from Europe, and grow them here during the summer for fall delivery, and the stock is out of the ground for many weeks. Our agents report that *very few* of the people pay any attention to transplanting directions. *Anything that has to be cultivated in the earth can no more live without nourishment and care than a human being!*

PREPARING THE GROUND.

Before planting fruit trees, the soil (excepting new grounds) should be made mellow by repeated plowing, and, where the soil is densely packed, a sub-soil plow should be used, and the ground stirred up from ten to twelve inches deep. If this is neglected the roots are soon surrounded by an almost impenetrable wall, and can not be expected to live many years; wherever this system has been practiced, healthy, vigorous trees and fine fruit has been the result.

PREPARING THE TREES FOR PLANTING.

The broken or mutilated portions of the roots must be cut off, so as to leave the ends smooth and sound, and the ends of the other roots should be pruned. From these ends the new fibrous roots usually start.

PLANTING.

Dig a hole about the same size required for tree, fill it to about six inches of the top with water, then fill in with fine soil and stir it into a pretty thick puddle. The hole being filled with good, mellow soil to within five or six inches of the top; place the tree in position, and arrange it to the proper depth, then fill in fine mellow soil, arranging all the roots in their natural position; when the roots are barely covered, sprinkle on not less than half a bucket of water, then fill to the top, throw a bucket of water around each tree and scatter a little soil on top to prevent baking. Use long manure, litter, straw, grass or hay, spread on the

surface around the tree for a space of from four to five feet, and three to six inches deep.

MULCHING.

When the tree is planted, throw mulch around it, as far as the roots extend, and a foot beyond. It prevents the ground from baking or cracking, and maintains an equal temperature about the roots. Do not fail to mulch.

PRUNING

The stems should now be put in condition for the formation of the top by removing all the limbs to the point where it is desired to have the top then cut back each remaining limb, leaving from four to six buds of last season's growth. In the absence of any limbs suitable to form a top, cut the tree down to the requisite height, leaving the dormant buds to make the top.

The necessity of pruning vigorously at time of setting is generally a very ungrateful one to the planter, as it injures for a time the appearance of the tree to an unpracticed eye. It should, however, be unhesitatingly performed, all the branches to the extent of at least one-half the length of the previous year's growth being removed. Care should also be used to give the proper form to the tree. The head may be left high or low, as the taste of the planter may prefer, or as the nature of the tree in some cases may require.

No stock planted in the fall should be pruned until the hard frost has left in the spring, but before the sap starts.

STAKING.

If the trees are tall or in exposed situations, they should be supported by stakes to prevent injury from the action of the wind. Staking is done in the best manner by driving two strong stakes firmly into the ground, one on each side of the tree, about a foot distant from it, and fasten the tree between them with a band of straw, or other soft material, so that it may be kept in an upright position, without chafing, until the roots obtain a firm hold upon the soil.

PEACH TREES

These should be planted immediately on their delivery, or if not prepared to do so, the roots should be buried in the ground; they will not stand exposure to sun and air, and many are lost simply for want of care. As soon as planted, cut back all side branches to within two or three inches of the main stem. Make this the invariable practice, and never deviate from it if you wish to save your trees. The growth will be much more rapid and vigorous in consequence of this pruning, and by strictly adhering to it and by immediate planting or covering the roots in the soil, very few, if any, trees will be lost.

ROSES

After planting, the earth should be dug up around them, so as to form a small channel all around the bush; pour into this some liquid manure, mixing the earth that has to be replaced in with it. A small quantity of liquid manure given to the bushes in the manner described, twice a month will encourage growth and blossom. It is an excellent plan to mulch the surface with fine grass or hay to hold moisture. In the Fall mulch with coarse manure.

REMEDIES

For Insect Enemies of the Rose.

Rose Slug.—White Hellebore Powder mixed in water and sprinkled on the bushes, with brush or broom, one ounce to the gallon of water.

ROSE BUG.—Hand picking is the only effectual remedy.

APHIS, OR GREEN FLY.—Sprinkle bushes with Tobacco water.

MILDEW.—Apply Sulphur or soot in the form of a dry powder, having first wetted the bushes so that it will adhere to them.

TREE ROSES.

Dig a good hole, being sure the soil is very rich. Plant the tree. Stake it by driving a stake down close to it, and tying the two together with cord, being careful to have a piece of linen around the tree so as not to chafe the bark. Then place a piece of moss in the top of the tree, and keep it continually moist, as this will prevent absorption of the tree's vitality while it is rooting. It

may be found useful to wrap a piece of white cloth around the tree during very hot weather, to protect it from the fierce rays of the sun. Early in each spring, the top should be severely pruned, and the earth around the tree fixed in the same manner as that alluded to for roses.

CLEMATIS.

Plant in rich soil, spreading the roots well apart, being very careful not to break them; dig a large hole, so as to afford them plenty of room. They need plenty of food during Summer to enable them to support and supply a continued abundance of bloom. *These plants will not produce the best results the first season after transplanting.*

CULTIVATION AND TRAINING AFTER PLANTING.

Many cultivators, after taking great trouble and expense in the selecting and planting of their trees, fail of success by neglecting that after-care and attention which is equally essential. Caterpillars and canker-worms, grubs and borers, slugs and aphids, disease and blight, must be watched for, fought against, and remedies faithfully applied.

The requirements of pruning vary somewhat, according to the kind of tree; We prefer, however, low training for all trees, for dwarf trees very especially. The pruning should be done each year, so that no necessity may arise for cutting large limbs. Care must always be used to keep the head of the tree open and well balanced, cutting the limbs which may be superfluous.

Trees should be trimmed as early as possible up to the height it is intended the future head should be, that the cutting off of large limbs may not in future be necessary. This should be avoided when possible, as decay is liable to commence at point of separation, and extend into the trunk. When such removal is absolutely necessary, the wound should be carefully pared smooth, and a covering of paint and grafting wax applied to protect it from the action of the weather.

Dwarf trees, particularly of the pear and apple, while young, require more pruning than any other kind of tree, in order to bring the top to a suitable form. For the first two or three years after planting, fully one-half the growth of the previous year should be removed, by heading in or reducing the length of each limb. The top limbs require to be cut back more, the lower limbs less, thus producing a more equal distribution of sap, and consequent vigor to the lower limbs with the upper. After the tree has passed, say to the third or fourth year after planting, the requirement of pruning is only to keep it in the symmetrical shape, and prevent particular limbs from taking a disproportionate

growth. Limbs so inclined must be headed back sufficiently, and all superfluous wood upon the tree kept promptly removed. This regularly attended to will obviate the occurrence of any necessity for amputating large limbs.

Those who are obliged to plant trees in fields of grass or grain, should see that all such are carefully mulched with coarse manure, and that the ground is kept loose and moist about the trees. A hoed crop is greatly preferable in such plantations for the first five years. After this time, standard apple, pear, cherry and plum trees will grow and produce fairly in turf. The dwarf trees and peaches should be well mulched every year with coarse manure and the ground thoroughly cultivated.

SUMMER PINCHING.

Those who are impatient to see fruit upon their trees, as is often the case, particularly with regard to trees tardy in coming to bearing, may expedite the fulfillment of their wishes by employing the process of summer pinching. In the month of July pinch off the ends of the young shoots; this retards for the time the flow of sap, and hastens the formation of fruit buds.

ASPARAGUS.

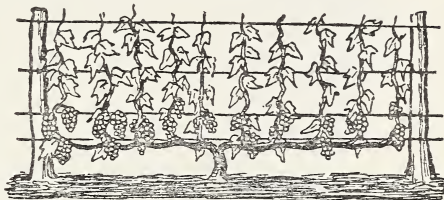
To prepare a bed, dig the ground deep, incorporating large quantities of well decomposed manure. Plant the roots about three inches deep, in rows 18 inches apart, and one foot apart in the rows.

GRAPE VINES

Require a dry, mellow, well-drained soil; deeply worked, and well enriched, with a warm, sunny exposure. In planting, give the roots plenty of room; spread them out not more than six inches under the surface, and settle the soil firmly around them. Soap-suds, sink water and urine are good fertilizers. Nothing better than leaves and trimmings of vines buried around the roots.

PRUNING.—Vines, when set, should be cut back to within three or four buds of the root. In November, or early in the spring, before the sap starts, in open culture, they should be pruned liberally. In pruning rather tender vines, leave more wood than is needed, as some may be killed, and finish pruning in spring, as soon as the leaves are nearly developed, when the life of the vine may be seen. In summer allow a good growth beyond the fruit, and about mid-summer pinch off the ends of the branches to check them, and cut out feeble laterals and branches on which there is no fruit; then there will be much foliage to absorb matter and prepare nutriment, and by checking the growth of wood, it will be appropriate to perfect the fruit. Do not pick off the foliage. The leaves, not the fruit, should be exposed to the sun. We urge this point, as thousands mis-

take, and grapes are generally mismanaged. The two great errors are in neglecting to cut off useless wood in the fall or spring, and in depriving the plant of necessary foliage by close pruning in summer. To obviate over-bearing, reduce the vines by close pruning, so as to prevent much fruit from setting. If too much sets, thin it in season, that the juices of the vines may not be wasted on what must be removed.



The above represents a grape vine pruned and growing in the manner that will give the best results.

BERRIES

Should have a strong soil and be kept under constant cultivation. Mulching is of special value. Raspberries and Blackberries should have the old wood cut out each year, and new canes pinched off when three feet high. Strawberries should be mulched late in the Fall; uncover crowns early in Spring; remove mulch after fruiting, and spade in light dressing of manure. If set for fruit keep the runners off.

CURRENTS AND GOOSEBERRIES

Need heavy mulching and pruning, so that new wood will have room to grow.

ROSES

Should be planted in a deep, rich, well-drained soil, so that the top roots are not less than two inches below the surface, and should be several pruned every Spring before the buds start, cutting back the last growth to three or four buds, except Climbing Roses, which may first be allowed to partly cover the space desired. Old, decayed branches should never remain. Every Autumn compost should be placed around the stems of the plants, and spaded into the ground the following Spring.

For planting grapes, berries, currants and gooseberries, use directions given for trees.

Always remove the straw and moss from the package before planting. *Never put manure so as to come in contact with the roots of any plant or tree.* Use only good soil on and around the roots.

The foregoing has been prepared with the greatest care, and with a special desire to aid our customers in the growth and care of their stock.

Fig. 1.



Top left without Pruning
and Roots crowded
together

Sure to Die.

Fig. 2.



Top properly Pruned and
Cut Back, and Roots
carefully spread out.

Sure to Live.

Improperly Planted Properly Planted

NOTICE.—The above show the right and wrong way to plant trees. Plant and trim according to Fig. 2 and you will have no trouble in making your trees grow. **THIS IS THE SECRET OF SUCCESS.**

Be sure and remove label before tree begins to grow or it will be fatally injured through strangulation.

The above illustration presents vividly the difference between correct and incorrect planting. In Fig. 1 too small a hole has been dug, and the roots have been crowded into it in such a way that if the tree lives at all it will be at the cost of a great effort and loss of vitality.

This is the method which is *commonly practiced*, and we cannot therefore too strongly warn our customers against it.

The roots must have plenty of room, and great care should be exercised to have them as nearly as possible in the same position which they occupied in the nursery.

In Fig. 2 the roots occupy this position, being carefully arranged, and the top has been properly trimmed, regardless of the great injury to the *present appearance* of the tree. In transplanting under the most careful management, so many of the fibrous roots which carry nourishment are destroyed that it is very essential that the top be correspondingly removed.

Fall Planting

When set in autumn, a mound of earth, a foot or more in height, must be raised about the trees. This is *very essential*, as it keeps them from being swayed by the winds or thrown out by the frost during the winter. It should be removed in the spring.

In sections where the winters are extremely severe, trees procured in the fall can be best cared for by covering the roots with earth during the winter and planting them in the spring.

To insure success, select a spot where no water will stand during the winter, having no grass near to invite mice. Dig a trench deep enough to admit one layer of roots, and sloping enough to permit the trees to lie at an angle of not more than 30° with the ground. Having placed one layer of the roots in this trench, cover them with mellow earth, extending well up on the bodies and see that this is *firmly packed*. Then add another layer of trees, overlapping the first, and continuing as at first until all are needed in. As soon as this is done, cover the tops so well with evergreen boughs that they will be thoroughly protected from winds.



Concord Grapes. The standard for productiveness and hardiness all over the country. Considered the most satisfactory variety for all purposes.



Progressive Everbearing Strawberries



Cumberland Raspberries